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THE 1985 NAPAP EMISSIONS INVENTORY (VERSION 2): DEVELOPMENT OF THE NATIONAL UTILITY REFERENCE FILE

E.H. Pechan and Associates, Incorporated
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16. ABSTRACT

The report gives results of a project conducted to create a file containing comprehensive data on all electric utilities in the U.S. The National Acid Precipitation Assessment Program's (NAPAP's) emissions inventory activities focus on the estimation of emissions from pollutants that contribute to acid deposition. Electric utilities, which emit a large share of total acid deposition precursor emissions, are important for modeling analyses. Data reported by states to the National Emissions Data System (NEDS) for the 1985 NAPAP Emissions Inventory and data reported to the U.S. Department of Energy (DOE) on EIA Form 759, EIA Form 767, FERC Form 423, and the Integrated Data Base System (IDBS) were matched and combined. The resulting 1985 National Utility Reference File (NURF) contains detailed unit level data for nearly 10,000 electricity generating plants.

17. KEY WORDS AND DOCUMENT ANALYSIS

a. DESCRIPTORS		b. IDENTIFIERS/OPEN ENDED TERMS	c. COSATI Field/Group	
Pollution	Acidification	Pollution Control	13B	07B, 07C
Emission	Assessments	Stationary Sources	14G	14B
Inventories		National Utility Reference File (NURF)	15E	
Electric Power Plants			10B	
Electric Utilities		Acid Rain		
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NOTICE

This document has been reviewed in accordance with U.S. Environmental Protection Agency policy and approved for publication. Mention of trade names or commercial products does not constitute endorsement or recommendation for use.

FOREWORD

The 1985 National Utility Reference File (NURF) was prepared by the National Acid Precipitation Assessment Program (NAPAP) to support emissions forecast modeling efforts. NURF is based on the data supplied for the 1985 NAPAP Emissions Inventory in a cooperative effort involving EPA, the EPA Regional Offices, and state environmental agencies. In NURF, the inventory data were modified in some cases using data that were supplied directly by the utility sources to the Department of Energy (DOE EIA reporting forms 767 and 759 and FERC form 423). This report describing NURF is published as a separate volume of the 1985 NAPAP Emissions Inventory (Version 2).

The discrepancies between the two data bases result from the differences in data collection methodologies. These methodological differences are related to the treatment of start-up fuels, the treatment of peaking units and the definition of individual emissions records. The 1985 NAPAP annual and modelers' inventories represent emissions at the emission point level for plants that emitted more than 100 tons/year in 1985, while the NURF represents emissions data at the generating unit level. The NURF represents the most appropriate data base for applications related to analyses of utility sector sources at the unit level.

ABSTRACT

The National Acid Precipitation Assessment Program's (NAPAP's) emissions inventory activities focus on the estimation of emissions from pollutants, which contribute to acid deposition. Because electric utilities, which emit a large share of total acid deposition precursor emissions, are important for modeling analyses, this project was conducted to create a file containing comprehensive data on all electric utilities in the United States. Data reported by states to the National Emissions Data System for the 1985 NAPAP Emissions Inventory and data reported to the U.S. Department of Energy (DOE) on EIA Form 759, EIA Form 767, FERC Form 423, and the Integrated Data Base System (IDBS) were matched and combined. The resulting 1985 National Utility Reference File contains detailed unit level data for nearly 10,000 electricity generating units. The results show that utility sources emitted over 16 million tons of SO_2, with 70 percent coming from the top 100 plants which are primarily coal-fired.

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ABBREVIATIONS AND SYMBOLS

ABBREVIATIONS

AEROS -- Aerometric and Emissions Reporting System
AQCR -- Air Quality Control Region
AUSM -- Advanced Utility Simulation Model
BOM -- Bureau of Mines
Btu -- British thermal unit
CF -- capacity factor
CFR -- Code of Federal Regulations
DOE -- Department of Energy
EIS -- Emission Inventory System
ESP -- electrostatic precipitator
FERC -- Federal Energy Regulatory Commission
FGDIS -- Flue Gas Desulfurization Information System
FIPS -- Federal Information Processing Standard
GURF -- Generating Unit Reference File
MW -- megawatt
MWh -- megawatt hour
NAPAP -- National Acid Precipitation Assessment Program
NEDS -- National Emissions Data System
NURF -- National Utility Reference File
NSPS -- New Source Performance Standard
O&M -- Operation and Maintenance
ORIS -- Office of the Regulatory Information System
Pechan -- E.H. Pechan & Associates, Inc.
PL/I -- Programming Language/I
RNSPS -- Revised New Source Performance Standard
SAS -- Statistical Analysis System
SCC -- Source Classification Code
SIP -- State Implementation Plan
TSP -- total suspended particulates
URGE -- Universities Research Group on Energy
UTM -- Universal Transverse Mercator
VOC -- volatile organic compound

SYMBOLS

NO_x -- nitrogen oxides
SO_2 -- sulfur dioxide

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SECTION 1

INTRODUCTION

BACKGROUND

The National Acid Precipitation Assessment Program (NAPAP) was established by Congress in 1980 to coordinate and expand research on problems posed by acid deposition in and around the United States. NAPAP's Task Group on Emissions and Controls is responsible for providing a comprehensive data base of electric utility emissions and operating data to other NAPAP task groups and to Federal and state government agencies.

Because the electric utility industry emits significant amounts of acid deposition precursor pollutants (SO_2 and NO_x), the utility sector has been singled out for close scrutiny. Accurate and comprehensive facilities and emissions data for utility sources are important to NAPAP's modeling analyses.

Different components of NAPAP have overlapping but not identical data needs. The purpose of this project was to address those needs by developing a single data base for a consistent reference year (1985) that would meet the bulk of broad utility-related data needs of all NAPAP task groups. A special emphasis was placed on meeting data needs related to atmospheric modeling, emissions forecasting, and assessment. Other data files developed under NAPAP sponsorship were inadequate for this purpose. For example, the 1985 NAPAP Annual Emissions Inventory, between its point source and area source components, includes anthropogenic sources of major acid deposition precursor pollutants for that year but omits nonfossil electricity generating units, such as nuclear and hydroelectric units. These units are of importance in economic and planning analyses of the electric utility industry.

In response to the needs of NAPAP, a single, comprehensive utility-related data file was developed. This file, the National Utility Reference File (NURF) is based largely on the 1985 NAPAP Emissions Inventory Version 2 emissions and fuel characteristics data. Department of Energy files are the primary source of data not included in the NAPAP inventory. While NURF may not meet all conceivable NAPAP needs for data on the utility industry, an attempt was made to include all data requested by utility data users.

This document serves as a description of how NURF was assembled, as a description of the key data elements in NURF component files, and as documentation. The reader interested primarily in understanding how the data were assembled should read Section 2, in which the development of NURF is described. More detailed documentation associated with use of the information is contained in Section 3, and in Appendices B, C, and D, which contain file layout information.

Users of the Advanced Utility Simulation Model (AUSM) will be primarily interested in the descriptions of (1) the existing unit inventory data file, described in the first subsection of Section 3 and in Appendix B; and (2) the announced unit inventory data file described in the second subsection of Section 3 and in Appendix C. The existing unit inventory data file contains operational data for generating units contained in NURF. For larger generating units, unit-specific data are retained. For smaller units, referred to as generic units, information is aggregated by state, fuel, and prime mover. The announced unit inventory data file is also used by AUSM and contains information on plants under construction, planned for construction, modified, or planned as conversions from oil or gas firing to coal after 1985.

Appendices E and F provide documentation of several of the data files used to create NURF.

REPORT ORGANIZATION

The body of this report discusses the logical organization and contents of NURF and its files; the appendices document the details relating to the data files that may be of interest to NURF data users. Section 2 of this report discusses the organization of NURF and its component files. Because most of the data elements in the existing unit inventory data file and the announced unit inventory data file are contained in the same format in NURF, Section 3 is primarily designed to supplement the information presented in Section 2. Section 4 presents analyses of NURF data, including state-level emissions and operating characteristics summaries and lists of major emissions sources.

SECTION 2

NATIONAL UTILITY REFERENCE FILE DEVELOPMENT

BACKGROUND

No single data base currently maintained by either the Environmental Protection Agency (EPA) or the Department of Energy (DOE) contains accurate and comprehensive information about electric utilities at the boiler or unit level in a form that meets the needs of NAPAP modelers and utility data users. Three data bases contain different and sometimes overlapping unit-level data elements. Other data sources contain reliable plant-level information. The bulk of the effort in creating NURF was directed toward merging the differing data bases and reconciling differences between them so that complete data records exist at the unit level for all electric utilities in the United States.

APPROACH

The first step in generating NURF involved matching at the unit level data contained in two of the detailed data bases: the 1985 NAPAP Annual Emissions Inventory Version 2 (hereafter referred to as NAPAP) and Energy Information Administration (EIA) Form 767. These data bases have differing criteria for data submittal. All plants emitting more than 100 tons per year of SO_2, NO_x, or VOC were required to submit data to the National Emissions Data System (NEDS), which formed the basis of NAPAP while electric utility plants with capacities of 100 MW or more must file Form 767. In general, the NEDS cutoff causes the data coverage to be more complete.

The results of this initial matching exercise indicated that, in general, the NAPAP data were of higher quality than the DOE Form 767 data. NAPAP was therefore chosen as the basis for NURF. Where NAPAP data were unavailable or questionable, Form 767 data were used, if possible.

In order to obtain ownership and nameplate capacity data, and to allocate fuel use to the unit level for small plants, it was necessary to match DOE's Integrated Data Base File (IDBS) unit level records to the previously matched NAPAP and Form 767 records. This introduced many discrepancies, since the three data bases did not always report the same number of units at a plant. Based on the available data, the discrepancies were resolved to the extent possible. Plant-level fuel use and generation data from Form 759 were incorporated, and fuel cost and quality data were taken from Federal Energy Regulatory Commission (FERC) Form 423.

Table 1 lists major data inputs to NURF; Table 2 in greater detail delineates the automated data sources for specified

TABLE 1. MAJOR DATA INPUTS TO NURF

Name	Type*	Level of Detail	Data Provided
IDBS	A	Generating Unit	Year on-line, year retired, capacity, ownership, prime mover, fuel capability
EIA Form 759	A	Plant	Fuel consumption and generation
FERC Form 423	A	Plant	Cost and quality of fuels
NAPAP	A	Point	Fuel consumption, fuel quality, control equipment, and emissions (SO2, NOx, TSP, and VOC)
EIA Form 767	A	Boiler/fuel feeder	Fuel consumption, control equipment, firing type and bottom type, SO2, NOx, and TSP emission limits
DOE coal conversions	M	Unit	Plants converted or planning conversion to coal, year unit planned to convert
NERC coal conversion	M	Unit	Plants converted or planning conversion to coal, year unit planned to convert
NERC planned plants	M	Unit	Nev plants, year on-line date
OAQPS Regulatory Data	M	Unit	Regulatory categories
FGDIS	A	Boiler	SO2 scrubber data
Radian/EVA data	M	Boiler	Retrofit factor
EPRI TAG data	M	Prime mover - fuel type	Technology-related data

*A = Automated, M = Manual

TABLE 2. AUTOMATED DATA SOURCES* FOR NURF VARIABLE CATEGORIES BY FOUR PRIME MOVER TYPES

Unit Prime Mover Type	Lifetime, Ownership, and Size (Capacity) Data	Prime Mover and Fuel Capability	Fuel Quantity	Fuel Quality	Specific Coal Data	Fuel Cost	Fuel Generation	Emissions	Emission Units	Pollution Control Data
Fossil Steam	IDBS	IDBS, 759	NAPAP, 767, 759 share	NAPAP, 767 423 share	423 share	423 share	759 share	NAPAP, 767 or 759 estimate	767	NAPAP, 767
Hydro	IDBS	IDBS, 759	759 share	-	-	423 share	759 share	-	-	-
Nuclear	IDBS	IDBS, 759	759 share	-	-	423 share	759 share	-	-	-
Other	IDBS	IDBS, 759	NAPAP, 759 share	NAPAP, 423 share	-	423 share	759 share	NAPAP, 767 or 759 estimate	-	NAPAP

---

*Note that all automated data were subject to change if (1) more recent data were found from other unautomated sources and if (2) specified data elements were inconsistent among sources. For Texas data NAPAP emissions values were used; all other data came from 767, 759, and 423.

variables; Table 3 compares the contents of NURF to NAPAP and the Unit Inventory.

In developing NURF, the greatest reliance was placed on data available from public sources, especially automated files available in machine-readable form. A variety of processing techniques were required to format the available information from these sources into a single consistent data system.

Other data elements (e.g., heat rate and capacity factor) were simply not available from standard sources and, therefore, had to be calculated from data that were available. For those cases in which the calculated values were unreasonable (e.g., a heat rate of 5,000 British thermal units (Btus) per kilowatt hour), judgments were made as to which of the input values were the most accurate; other data were adjusted on a unit-specific basis so that all resultant values were reasonable.

Because of the wide range of types of data processing required to create NURF, a combination of programming languages and methodologies was used in its development. Initial data reduction of the larger data files was performed by a series of programs written in Programming Language/I (PL/I). These larger files were reduced to one record per unit (or plant if a plant-level file). The reduced files were converted to a consistent format using the Statistical Analysis System (SAS). These SAS files were then combined and manipulated using a series of SAS programs. Examples of the processing required include calculation of default state average fuel quality data and assignment of plant technology codes. The result of these manipulations was a final NURF in SAS format.

In most cases, a single primary source for each NURF data element was selected. In some cases, more than one source of data was combined and the most appropriate information was selected. These selections were based on the quality of the data source, its date of publication, and its coverage. All other things being equal, published reports (or data files which directly support them) were given higher preference. Data supplied to DOE or reported directly by the industry were given the next highest preference. In the text of the report, the major source for each data element is identified. A summary of the hierarchy of data sources is presented in Table 4.

In this report, descriptions of primary data sources are provided for each NURF data element.

FILE CREATION

The NURF contains information on each generating unit operated in 1985 or projected to be operated by the electric utility industry in the United States. As described below,

TABLE 3. COMPARISON OF NURF, NAPAP, AND UNIT INVENTORY

File	Coverage	Pollutants	Data Items Covered			
			Nuclear Plants	Hydro-electric Plants	Stack Data	Fuel Prices
NURF	All generating units available in 1985 and projected units	SO2, NOx, TSP, VOC	Yes	Yes	No	Yes
NAPAP	All utility units on-line in 1985 which are part of a plant that emitted 100 tons per year or more of any criteria pollutant	SO2, NOx, TSP, VOC, CO, Others	No	No	Yes	No
Unit Inventory	Steam units >25 MW and nonsteam units >50 MW on line in 1985	SO2, NOx, TSP	Yes	Yes	No	Yes

TABLE 4. HIERARCHY OF NURF DATA SOURCES BY DATA ELEMENT

	Data Sources		
Data Elements	Primary	Secondary	Tertiary
Fuel Quantity Used	1985 NAPAP	767	759
Fuel Cost	423		
Fuel Quality	1985 NAPAP	767	423
Regulatory Data	767	OAQPS	Literature
Year on-line and Retirement Data	IDBS	NERC	Literature
Fuel Capability	IDBS	759	1985 NAPAP
Fuel Capacity	IDBS	759	
Coal Conversions	DOE	NERC	Literature
New Plants	IDBS	NERC	Literature
Control Equipment	1985 NAPAP	767	Literature
Ownership	IDBS	Literature	

information on fuels and general operating characteristics are included. Because both fossil and non-fossil units are included, the total number of units is nearly 10,000.

Some of the data elements in NURF apply to either steam units only or nonsteam units only, the two broad categories into which electric utility power generating facilities can be categorized. Steam facilities produce steam by combustion of fossil fuels, by nuclear reactions, or by capture of geothermal energy. Kinetic energy is extracted from this steam and converted to electricity by the generating turbine. Nonsteam units include fossil-fired units in which exhaust gases rather than steam are used to provide kinetic energy to produce electricity. Hydroelectric facilities are also categorized as nonsteam units; in these units, the kinetic energy of falling water is converted to electricity.

Although NURF reports data at the unit level, the term "unit" is not always clearly defined. Figure 1 provides a simple schematic of the components of an electric generating facility. In most large steam and most nonsteam generating facilities, a single prime mover (e.g., a boiler or combustion turbine) provides kinetic energy to drive a single generating turbine which produces electricity. In some cases, however, steam from more than one boiler may be combined to drive one generating turbine. In other cases, steam from one boiler may be split and used to operate more than one generating turbine. In a few plants, both situations occur. To further compound the problem, at some plants more than one unit is served by the same fuel supply system (fuel feeder). Because some data are reported by fuel feeder, it may be necessary to assign individual boilers to specified fuel feeders. Finally, exhaust gases from more than one unit may be combined prior to treatment by pollution control devices or before being vented to the atmosphere. For NURF the generating turbine and unit are synonymous.

Development of NURF was a multi-step process because the coverage of the major contributing data files differ. The first step was to identify the universe of utilities to be included. Creation of the NURF universe of utilities required the extraction of all relevant information on utilities from the NAPAP inventory. A candidate list of utility facilities was identified by selecting points that met at least one of the following two criteria:

1. The first three digits of the SCC were 101 or 201 and the Standard Industrial Classification (SIC) code was 49.

2. The first digit of the SCC was 1 or 2 and the SIC code was 4911.

This list of candidate facilities was compared to the other data files on a plant-specific basis in order to develop the best

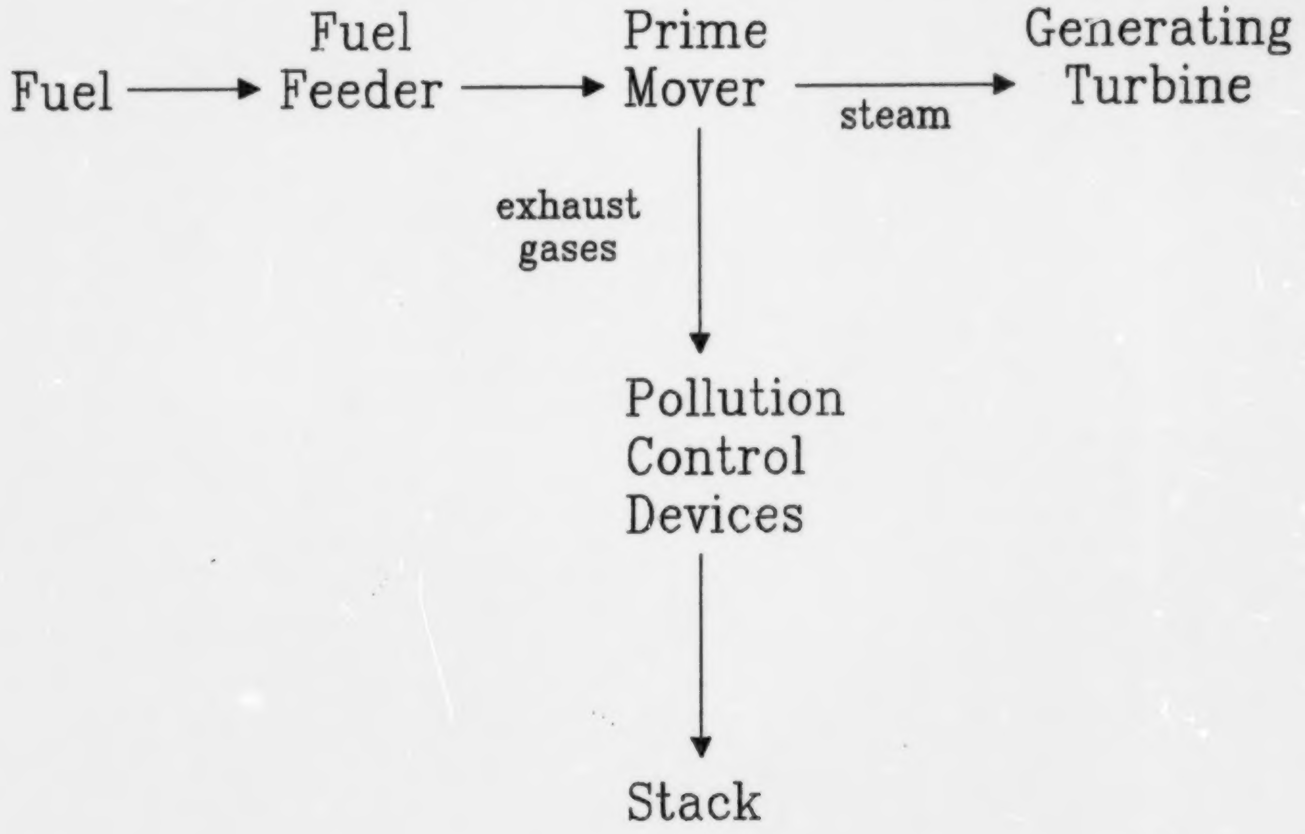
Fuel
Fuel Feeder
Prime Mover
steam
Generating Turbine
exhaust gases
Pollution Control Devices
Stack

Figure 1. Components of an Electric Generating Facility

possible universe of facilities. Special emphasis was placed on matching plants that emit at least 100 tons per year of any criteria pollutant because point-level emissions data were to be provided for plants having emissions greater than this level. After completion of the plant-level matching, unit-level matching was performed. Conflicts between these files occurred in many cases. These had to be resolved on a case-by-case basis. Table 5 identifies the sources and coverage of the files contributing unit-specific information to NURF.

Operating characteristics such as total generation and total fuels consumed for generation were obtained from Form 759. Form 759 is a monthly data base; for use in NURF, however, the monthly data for 1985 were aggregated into annual totals. Form 759 data are reported by plant and prime mover. For example, a plant having both steam and combustion turbine units would have fuel use and generation data provided for each of these two prime movers. Needed unit-specific operational data for 1985 were estimated by applying 1985 unit shares computed from 1985 IDBS data on fuel use and generation to the corresponding data elements from the 1985 plant and prime mover totals from Form 759.

For all units, Form 423 fuel cost data were used. For units for which neither NAPAP nor Form 767 data were available, fuel quality data were determined from Form 423. For units in plants with no reported Form 423 information, Form 423 state averages were used.

Table 6 identifies the data that are included in NURF. Data are included on as many as three fuels and their characteristics, utility operations, emissions control equipment, emissions, and emission limits. Below, detailed information is presented on the individual data elements which form each logical subgroup of NURF. The numbers and letters correspond to those in Table 6.

TABLE 5. SOURCES OF UNIT-SPECIFIC DATA

Source	Coverage	Unit Identifier
1985 Integrated Data Base System (IDBS)	All electric utility generating units	Unit
1985 EIA Form 767	Boilers at plants with more than 100 MW steam capacity	Boiler
1985 NAPAP Emissions Inventory	All SCCs within a point which is part of a plant emitting more than 100 tons per year	Point

TABLE 6. CONTENTS OF NURF

Name	Contents
1. Identification/Location	
a. USEQ	Unit sequence number
b. ORISPL	DOE plant code (ORIS)
c. UNITX	Unit identification code
d. LOCST	FIPS state code
e. LOCCTY	FIPS county code
f. NAPID	NAPAP plant identification code
g. POINT_ID	NEDS point identification code
h. ORISR	DOE respondent (old utility) code (ORIS)
i. PNAME	Plant name
j. NAMEADD	NEDS plant name
2. Unit Operation Characteristics	
a. PRIME	Prime mover (see Table A-1)
b. TCODE	Technology code (see Table A-2)
c. NETDC	Nameplate capacity (MW)
d. DESCPCTY	Design capacity (MMBtu/h)
e. CFACT	Current capacity factor (fraction)
f. GENER	Generation (GWh)
g. HTRATE	Unit heat rate (Btu/kWh)
h. BNUM	Bottom type code (see Table A-3)
i. FNUM	Firing type code (see Table A-4)
3. Unit Lifetime Data	
a. YRONL	Year on-line
b. YRRETDT	Retirement year
4. Primary Fuel Data	
a. FUEL1	Primary fuel code (See Table A-5)
b. HEAT1	Primary fuel heating value (MMBtu/SCC unit)*
c. SULF1	Primary fuel sulfur content (%)
d. ASH1	Primary fuel ash content (%)
e. FCOST1	Primary fuel delivered price (cents/MMBtu)
f. QUAN1	Primary fuel quantity consumed (SCC units)*
g. QCF1	Fuel consumed at capacity factor=1.0 (SCC units)*

(continued)

TABLE 6 (continued)

Name	Contents
5. Secondary Fuel Data	
a. FUEL2	Secondary fuel code (See Table A-5)
b. HEAT2	Secondary fuel heating value (MMBtu/SCC unit)*
c. SULF2	Secondary fuel sulfur content (%)
d. ASH2	Secondary fuel ash content (%)
e. FCOST2	Secondary fuel delivered price (cents/MMBtu)
f. QUAN2	Secondary fuel quantity consumed (SCC units)*
6. Third Fuel Data	
a. FUEL3	Third fuel code (See Table A-5)
b. HEAT3	Third fuel heating value (MMBtu/SCC unit)*
c. SULF3	Third fuel sulfur content (%)
d. ASH3	Third fuel ash content (%)
e. FCOST3	Third fuel delivered price (cents/MMBtu)
f. QUAN3	Third fuel quantity consumed (SCC units)*
7. First Coal Data	
a. HFRAC	Btu Fraction of coal use for first coal
b. BTU	First coal heating value (MMBtu/ton)
c. SULF	First coal sulfur content (%)
d. ASH	First coal ash content (%)
e. COST	First coal delivered price (cents/MMBtu)
f. ORIGIN	First coal supply region (see Table A-6)
8. Second Coal Data	
a. SHFRAC	Btu Fraction of coal use for second coal
b. SBTU	Second coal heating value (MMBtu/ton)
c. SSULF	Second coal sulfur content (%)
d. SASH	Second coal ash content (%)
e. SCOST	Second coal delivered price (cents/MMBtu)
f. SORIGIN	Second coal supply region (see Table A-6)
9. Regulatory Information	
a. SO2CAT	SO2 regulatory category (see Table A-7)
b. SO2EMLIM	SO2 emission limit (lbs/MMBtu)
c. ANSO2LIM	Annual equivalent SO_2 standard (lb/MMBtu)
d. NOXCAT	NOx regulatory category (see Table A-7)
e. NOXEMLIM	NOx emission limit (lbs/MMBtu)
f. TSPCAT	TSP regulatory category (see Table A-7)
g. TSPEMLIM	TSP emission limit (lbs/MMBtu)

(continued)

TABLE 6 (continued)

Name	Contents
10. Pollution Control Data	
a. SO2CNTL	S02 control device (see Table A-8)
b. SO2EFF	S02 control efficiency (%)
c. SO2RTE	S02 emission rate (lbs/MMBtu)
d. SO2	S02 emissions (1000 tons)
e. RFACTOR	Scrubber retrofit factor (fraction)
f. FUTSO2	Future scrubber planned? (1=yes)
g. SO2YYMM	Future scrubber date on-line (yymm)
h. FUTSEF	Future scrubber removal efficiency (%)
i. NOXCNTL1	Primary NOx control device (see Table A-9)
j. NOXCNTL2	Secondary NOx control device (see Table A-9)
k. NOXEFF	NOx control efficiency (%)
l. NOXRTE	NOx emission rate (lbs/MMBtu)
m. NOX	NOx emissions (1000 tons)
n. TSPCNTL	TSP control device (see Table A-10)
o. TSPEFF	TSP control efficiency (%)
p. TSPRTE	TSP emission rate (lbs/MMBtu)
q. TSP	TSP emissions (1000 tons)
r. VOC	VOC emissions (1000 tons)
11. Ownership Data	
a. UCODE	Operating utility code
b. UTILNAME	Operating utility name
c. OWNRNM01	Primary owner utility code
d. OWNRST01	Primary owner state (Postal Code)
e. OWNRPR01	Ownership by primary owner (%)
f. OWNRNM02	Secondary owner utility code
g. OWNRST02	Secondary owner state (Postal Code)
h. OWNRPR02	Ownership by secondary owner (%)
i. OWNRNM03	Tertiary owner utility code
j. OWNRST03	Tertiary owner state (Postal Code)
k. OWNRPR03	Ownership by tertiary owner (%)

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* See Table A-11 for information on units used by fuel type.

1. Identification/Location

This subgroup contains the unit identification and location information. Units are identified by the associated plant name, the plant code assigned by DOE, if applicable, and a unit code. Plants are located according to state and county using the Federal Information Processing Standard (FIPS -- U.S. DOC, 1979) coding scheme.

a. Unit Sequence Number (USEQ) --

The records in NURF were sorted by FIPS state code, the DOE IDBS plant code, and unit. (See Office of the Regulatory Information System (ORIS) plant code discussed below.) Each unit was then assigned a unique five-digit code in which the first two digits are the FIPS State code and the last three digits are assigned sequentially within each state (always beginning with 001).

b. DOE (ORIS) Plant Code (ORISPL) --

The ORIS plant code was originally developed by ORIS, a part of the FPC. It is now used as a unique plant identification code by DOE's EIA, the group which inherited the responsibilities formerly assigned to ORIS.

c. Unit Identification Code (UNITX) --

This code identifies the boiler or generating unit. In most cases, the unit identifier used was consistent with that in DOE's IDBS.

d. FIPS State Code (LOCST) --

This field contains the state FIPS code.

e. FIPS County Code (LOCCTY) --

This field contains the county FIPS code. If the county is unknown, it is coded as 000.

f. NAPAP Plant Identification Code (NAPID) --

This is a 10 character code created during development of NURF. It consists of the two character Aerometric and Emissions Reporting System (AEROS -- U.S. EPA, 1984) state code, the four character AEROS county code, and the four character NEDS plant code. This code uniquely identifies an individual plant.

g. NEDS Point Identification Code (POINT_ID) --

This is a two character code assigned during development of the NEDS point source file. Along with the state, county, and plant codes (together assigned as the variable NAPID), this code uniquely defines an individual point within a plant. A point is typically a single boiler or combustion turbine. In some cases, however, the definition is more complex. See the Comprehensive Data Handling System Coding Manual for additional information (U.S. EPA, 1981).

h. DOE (ORIS) Respondent (Old Utility) Code (ORISR) --

This field contains a DOE-assigned code that identifies the plant owner or operator responsible for submission to DOE of reports concerning plant operations. The data come from a correspondence file prepared by DOE linking IDBS new utility codes (UCODE) and the old ORISR utility codes used by EIA.

i. DOE Plant Name (PNAME) --

Plant name was generally taken from IDBS.

j. NEDS Plant Name (NAMEADD)--

This field contains a 40 character name and address, taken from NEDS.

2. Unit Operation Characteristics

Unit operation characteristics describe both the type of unit (i.e., prime mover) and the operating statistics for the base year (1985). The latter information includes current nameplate capacity, generation, capacity factor, burner type and bottom type (for boilers), design capacity factor, estimated availability, and nonfuel variable operations and maintenance (O&M) expenses for the unit.

a. Prime Mover (PRIME) --

This field indicates the method by which the unit generates electricity. The information was usually obtained from IDBS. Table A-1 defines the codes used, while Table 7 outlines the relationships of the various sources' prime mover information to the final NURF prime mover codes.

b. Technology Code (TCODE) --

This code is based upon a combination of prime mover and fuel characteristics. It was originally developed for use with AUSM. Table 8 defines the codes used.

TABLE 7. MAPPING OF PRIME MOVER CODES TO NURF

NURF Description	Code	Derived PM Type	759	IDBS	767	NEDS SCC 1st and 7th-8th digits	
No data	0	-	-	-	-		-
Fossil ste[illegible] (boiler)	1	Steam	3	ST	if not nuclear	1	
Geothermal	2	Steam	3	GE	-		-
Conventional hydroelectric	3	Hydro	1	HC,HL	-		-
Pumped storage hydroelectric	4	Hydro	1	HR	-		-
Nuclear steam	5	Nuclear	2	NB,NH,NP	if 'N' in boiler code and no fuel		-
Internal combustion	6	Other	4	IC	-	2	02
Combined cycle	7	Other	4	CA,CS,CT,CW	-	2	03,04
Combustion turbine	8	Other	4	GT,JE	-	2	01
Exotic	9	Other	4	SP,SS,WT	-		-
Cogeneration	10	Other	4		-		-

TABLE 8. TECHNOLOGY CODE ASSIGNMENTS

Code	Description
1	Natural gas combustion turbine (peaking)
2	Distillate oil combustion turbine (peaking)
3	Residual oil combustion turbine (peaking)
4	Hydro - pumped storage
5	Conventional natural gas steam
6	Conventional distillate oil steam
7	Convential residual oil steam
8	Solvent refined coal steam
9	Natural gas combined cycle
10	Distillate oil combined cycle
11	Residual oil combined cycle
12	Pressurized fluidized bed combined cycle
13	Gasification combined cycle--retrofit
14	Gasification combined cycle--new construction
15	Coal steam
16	Light water reactor (nuclear steam)
17	Bituminous fluidized bed
18	Subbituminous fluidized bed
19	Hydroelectric dam
20	not used
21	Geothermal
22	Dispersed fuel cells
23	Solar central receiver
24	Municipal Refuse

c. Nameplate Capacity (NETDC) --

The nameplate capacity, in megawatts, was obtained from the 1985 IDBS whenever possible.

d. Design Capacity (DESCPCTY) --

This field describes the capacity of fossil-fuel burning units in million Btus consumed per hour. It was calculated using the equation

$$DESCPCTY = (NETDC * HTRATE)/10**3 .$$

e. Current Capacity Factor (CFACT) --

The value in this field was calculated from generation, nameplate capacity, and the number of hours in a year (8,760 for 1985). The equation used was as follows:

$$CFACT = GENER/(NETDC * 8.760)$$

For cases in which the calculated capacity factor exceeded 1.0, the calculated value was replaced by 0.87 for steam and hydroelectric units and by 0.40 for all other units. These values were selected as reasonable maximum feasible values for the few units with incorrect values. In addition, the nameplate capacity was adjusted so that the relationships between the revised capacity factor, current capacity, and number of hours per year were arithmetically correct.

f. Generation (GENER) --

This field provides unit generation for 1985 in gigawatt hours. These data were calculated by allocating plant-level shares of generation data from Form 759 to units using IDBS data (for fossil-fuel fired boilers) or nameplate capacity (for nuclear and hydro units).

g. Unit Heat Rate (HTRATE) --

Heat rate values in Btu per kilowatt-hour were derived from fuel quality information (heating value) and operational data (total generation and quantity of fuel used). The equation used is

$$HTRATE = TOTHT/GENER$$

where TOTHT is total heat input ($\sum_{i=1}^{3} QUAN(i) * HEAT(i)$). For small units (less than 100 MW), default rates were assumed when calculated values fell outside of a reasonable range as specified in Table 9. In addition, the quantity of generation was adjusted so that the relationship among revised heat rate, fuel used, and generation was arithmetically correct.

TABLE 9. HEAT RATE RANGES FOR UNITS <100 MW (Btu/kWh)

Technology Code	Heat Rate Range	Default Value
1-3	9,000-30,000	13,800
5-15	8,500-20,000	12,475

h. Bottom Type Code (BNUM) --

The bottom type code (wet or dry) was estimated from NEDS SCC data or was obtained from Form 767. Table A-3 lists the coding scheme used. When estimating, the pulverized coal fired boilers' code was dependent on the SCC, while oil or natural gas fired boilers were assumed to be dry bottom boilers (Coleman, 1988). Table A-12 delineates the relationship between SCC and BNUM codes.

i. Firing Type Code (FNUM) --

This data element was estimated from NEDS SCC data or was obtained from Form 767. When more than one firing type was reported on Form 767, the primary firing type was used. Table A-4 lists the coding scheme used. When estimating firing type, pulverized coal fired boilers were labeled wall fired, while oil or natural gas boilers were labeled opposed fired. Table A-12 delineates the relationship between SCC and FNUM codes.

3. Unit Lifetime Data

Two data elements are included in this subgroup, year on-line and retirement year.

a. Year On-line (YRONL) --

This data value was generally obtained from IDBS and is defined to be the year that the unit is first available to provide power to the grid (DOE, 1986b).

b. Retirement Year (YRRETDT) --

For units with a reported retirement year in IDBS, the reported values were used. For units undergoing a conversion to coal-firing, the retirement date was entered as the year the unit was taken or expected to be taken out of service to implement the conversion. For other conversion units and all modified units, the date was entered as one year prior to the projected on-line date for the converted or modified unit.

Anticipated unit retirements through 1995 are available from published sources (see, for example, NERC, 1986); for these units, the reported value is provided.

For units converting to coal after 1985, the assumed retirement date of the unit was set equal to the year the unit will be taken off-line for the conversion. Information on the converted unit is contained in the announced unit inventory data file. For units which converted prior to or during 1985, the existing unit inventory data file reflects the use of coal.

4. Primary Fuel Data,

5. Secondary Fuel Data,

6. Third Fuel Data

NURF contains data on as many as three separate fuels for each unit. This capability accounts for the large number of multi-fired units, usually gas-fired units with oil backup or vice-versa, operated by the utility industry. Information collected on the various fuels include heat value, fuel quality (sulfur and ash contents), delivered price, and quantity used.

a. Fuel Code (FUEL1, FUEL2, and FUEL3) --

The designated primary fuel (FUEL1) is that fuel which provided the greatest amount of total Btus of heat input in 1985. The second and third fuels (FUEL2 and FUEL3) are the fuels which provided the second and third highest quantity of heat input, respectively. For units which did not burn fuel in 1985, the primary and secondary fuel types were assigned based on information in IDBS. Fuel codes used are specified in Table A-5, while Table 10 outlines the relationship of the various sources' fuel information to the final NURF fuel type codes.

b. Fuel Heating Value or Heat Content (HEAT1, HEAT2, and HEAT3) --

Fuel heating values in Btu per SCC unit quantity used were obtained from NAPAP, Form 767, or Form 423. The SCC unit used for each fuel is identified in Table A-11.

c. Fuel Sulfur Content (SULF1, SULF2, and SULF3) --

Data on fuel sulfur (as a percent) were obtained in a manner similar to that for fuel heating value.

d. Fuel Ash Content (ASH1, ASH2, and ASH3) --

Data on fuel ash (as a percent) were obtained in a manner similar to that for fuel heating value.

e. Fuel Delivered Price (FCOST1, FCOST2, and FCOST3) --

These data, representing delivered cost, were obtained from Form 423 for fossil fuels. The price for nuclear fuel was assumed to be 72 cents per million Btu for all nuclear plants, the average 1985 cost (TAG, 1986). The price for water used by hydroelectric and geothermal units was assumed to be zero, making nonfuel O&M the only variable cost associated with these units.

f. Fuel Quantity (QUAN1, QUAN2, and QUAN3) --

These data (in SCC units) were obtained from NAPAP (or Form 767) whenever possible. Otherwise they were derived from Form 759 and were obtained by allocating Form 759 plant-level data to units

TABLE 10. MAPPING OF FUEL TYPE CODES TO NURF

Description	NURF Code	IDBS	759	767	NEDS SCC 1st and 4-6th digits	
N/A or no data	0	UNK,NON				
Coal	1	COL,BIT,SUB,ANT, LIG,PC	coal	coal	1	001,002,003, 008
Residual oil	2	FO4,FO5,FO6,CRU, PET	resid	-	1 2	004 005
Distillate oil	3	FO1,FO2,JF,KER, LPG	dist	oil	1 2	005,010 001,009
Natural gas	4	GAS,NG,RG,SNG	gas	gas	1 2	006,007 002,007
(unused)	5	-	-	-	-	-
Nuclear fuel	6	UR,PL			1	009,011,012, 013
Other	7	BFG,COM,GST,MF REF,STM,SUN,WAT, WD,WND,WH			2	

using the same method used to allocate generation. See Table A-11 for the SCC units used for each fuel.

g. Fuel Consumed at CF=1 (QCF1) --

This field was calculated as the quantity of the primary fuel that would be required if the plant operated at a capacity factor of 1.0 for the entire year, i.e., operated 24 hours a day for 365 days.

7. Primary Coal Data

8. Secondary Coal Data

Primary and secondary coal data are included primarily for use by AUSM. For coal plants, detailed coal shipment data obtained from Form 423 were used to identify the source of coals consumed according to state and Bureau of Mines (BOM) district of origin; all coal shipments received at a plant from each state and BOM district were averaged (quantity weighted). NURF contains data on the two most significant coals (in terms of total heating value of the coal received at the plant from each origin location). Data included are fraction of total Btus consumed at the plant from this coal, average quality, average delivered price, and supply region. Note that the sum of the first and second coal fractions may be less than 1 if more than two coals were received.

a. Btu Fraction of Coal Use (HFRAC, SHFRAC) --

This data field identifies the fraction of total unit coal use accounted for by this category of coal (i.e., first or second coal). For example, if 70 percent of the coal used came from AUSM region 5, 20 percent from AUSM region 6, and the remaining 10 percent from one or more other regions, HFRAC would be reported as 0.7 and SHFRAC as 0.2.

b. Coal Heating Value (BTU, SBTU) --

Plant-level fuel heating values in million Btu per ton were obtained from Form 423.

c. Coal Sulfur Content (SULF, SSULF) --

As with heating value, data on fuel sulfur (as a percent) were obtained from Form 423.

d. Coal Ash Content (ASH, SASH) --

These data (as a percent) were obtained from Form 423.

e. Coal Delivered Price (COST, SCOST) --

These data, representing delivered costs in cents per million Btu, were obtained from Form 423.

f. Coal Supply Region (ORIGIN, SORIGIN) --

Coal supply region was based on AUSM coal supply regions, generally defined as state and BOM district regions. Table A-6 defines the AUSM coal supply regions.

9. Regulatory Information

Regulatory information is provided for SO_2, NO_x, and TSP. The primary data source was the Form 767 regulatory data file. Data on SO_2, NO_x, and TSP regulations were not available for every unit, however. Emission standards for units for which no data were available and for units which are unregulated were reported as zero. Both types of units were reported as zero because no information is available to distinguish between these two categories.

a. SO_2 Regulatory Category (SO2CAT) --

This field is only relevant for steam units. The regulatory category determines the type of emission regulation the unit must meet. Table A-7 identifies the regulatory category codes used. The plant may be regulated under SIP, meaning that state or local regulations are binding; New Source Performance Standards (NSPS), 40 Code of Federal Regulations (CFR) Part 60, subpart D; or revised NSPS (RNSPS), 40 CFR Part 60, subpart Da. The source of this regulatory category is a report obtained from the EPA's Emission Standards and Engineering Division (Stevenson, 1988).

b. SO_2 Emission Limit (SO2EMLIM) --

The numeric emissions limit, in pounds of SO_2 per million Btu of heat input, is derived from Form 767 regulatory data. The averaging period is not specified in NURF. For coal units, stated regulations were converted to an equivalent annual average limit.

c. Annual Equivalent SO_2 Standard (ANSO2LIM) --

For coal units, the SO_2 emission limit in lb/MMBtu is converted to an equivalent limit with an averaging period of one year.

d. NO_x Regulatory Category (NOXCAT) --

The definition of this field parallels that of the SO_2 regulatory category.

e. NO_x Emission Limit (NOXEMLIM) --

The NO_x emission limit in lb/MMBtu is derived in a manner similar to that for SO_2.

f. TSP Regulatory Category (TSPCAT) --

The definition of this field parallels that of the SO_2 regulatory category.

g. TSP Emission Limit (TSPEMLIM) --

The TSP emission limit, in lb/MMBtu, is derived in a manner similar to that for SO_2.

10. Pollution Control Data

Information on pollution control equipment in place and its operational performance is provided for all control options designed to limit emissions of SO_2, NO_x, or TSP. Emissions estimates are also included in this section. These estimates are calculated for each fuel as detailed under fuel specific emissions.

a. SO_2 Control Device (SO2CNTL) --

SO_2 control device was determined from NAPAP or Form 767 data. Table A-8 lists the codes.

b. SO_2 Control Efficiency (SO2EFF) --

SO_2 control efficiency, as a percent, was obtained from either the NAPAP or Form 767 data.

c. SO_2 Emission Rate (SO2RTE) --

The SO_2 emission rate, in lbs/MMBtu, is calculated from total emissions in 1985 and the total heat input of fuels burned in 1985. The equation used is

$$SO2RTE = (SO2 * 2{,}000{,}000)/TOTHT$$

where TOTHT is the heat input.

d. SO_2 Emissions (SO2) --

This field contains SO_2 emissions in tons summed over all fuels based on actual fuel use in 1985. This data element was obtained from NAPAP in most cases. Otherwise, it was estimated using Form 767 fuel use and control efficiencies.

Emissions are calculated using this standard formula and the values are defined below:

$$\mathrm{EMIS} = (\mathrm{FQUAN} * \mathrm{EFACT} * (1 \text{ or } \mathrm{AFLG} * \mathrm{EASH} \text{ or }$$
$$\mathrm{SFLG} * \mathrm{SULF}) * (1 - \mathrm{CTLEFF}/100))/\ 2000$$

where EMIS is in tons, EFACT is the emission factor from the AP-42 based emission factor file (U.S. EPA, 1985b), and CTLEFF is the appropriate control efficiency expressed as a percentage. AFLG and SFLG are flags which, if set to 1, indicate that the emission factor is to be multiplied by the fuel ash or sulfur content, respectively. If neither value is 1, a constant 1 is used in the emissions calculations. The emission factor EFACT is determined by the Source Classification Code (SCC) derived from prime mover, fuel type, fuel characteristics, burner firing type, and bottom type. In some cases, only some of these data elements are used in determining the appropriate SCC.

In making the assignment of SCCs, it was assumed that coal-fired boilers with a firing type of wall, opposed, or "no data" are pulverized coal boilers. If no bottom type was identified, the pulverized coal boilers were assumed to be dry bottom. (A frequency distribution of bottom types was used to make this determination.) A detailed definition of SCCs is given as one section of EPA's AEROS manual series (U.S. EPA, 1976).

e. Scrubber Retrofit Factor (RETROFIT) --

These data were provided by Radian Corporation for large units including the top 200 SO_2 emitting coal fired power plants in the 31 eastern states (Radian, 1988).

f. Future Scrubber Planned (FUTSO2),

g. Future Scrubber Date On-Line (SO2YYMM), and

h. Future Scrubber Removal Efficiency (FUTSEF) --

Information on future scrubbers were obtained from data in the FGDIS (U.S. EPA, 1985c) as updated to reflect the base year of 1985.

i. NO_x Primary Control Device (NOXCNTL1), and

j. NO_x Secondary Control Device (NOXCNTL2) --

NO_x control device data were determined from the NEDS or Form 767 data. The primary device used was assigned as the first device and the secondary device used as the second. Table A-9 lists the codes.

k. NO_x Control Efficiency (NOXEFF) --

NO_x control efficiency, as a percent, was obtained from the NEDS data.

l. NO_x Emission Rate (NOXRTE) --

The NO_x emission rate, in lbs/MMBtu, is calculated as is that for SO_2.

m. NO_x Emissions (NOX) --

This field contains NO_x emissions in tons and is obtained in the same manner as that for SO_2.

n. TSP Control Device (TSPCNTL) --

TSP control device data were determined from NEDS or Form 767 data. Table A-10 lists the codes.

o. TSP Control Efficiency (TSPEFF) --

TSP control efficiency, as a percent, was obtained from either the NEDS or Form 767 data.

p. TSP Emission Rate (TSPRTE) --

The TSP emission rate, in lbs/MMBtu, is calculated as is that for SO_2.

q. TSP Emissions (TSP) --

This field contains TSP emissions in tons and is obtained in the same manner as that for SO_2.

r. VOC Emissions (VOC) --

This field contains VOC emissions in tons and is present only if NAPAP data are available.

11. Ownership Data

a. Operating Utility Code (UCODE) --

The data come from IDBS.

b. Operating Utility Name (UTILNAME) --

The data come from IDBS.

c. Primary Owner Utility Code (OWNRNM01) --

The data element for the primary owner was obtained from IDBS; otherwise it and all other ownership fields are missing. If these data were missing from IDBS, it was assumed that the utility operating the unit was also the 100 percent owner.

d. Primary Owner State (OWNRST01) --

The data field for the 2 digit postal code for the primary owner's state was obtained from IDBS.

e. Ownership by Primary Owner (OWNRPR01) --

The percent ownership by the primary owner was obtained from IDBS. If it is 100, items f-k are missing.

f. Secondary Owner Utility Code (OWNRNM02) --

The data element for the secondary owner was obtained from IDBS.

g. Secondary Owner State (OWNRST02) --

The data field for the 2 digit postal code for the secondary owner's state was obtained from IDBS.

h. Ownership by Secondary Owner (OWNRPR02) --

The percent ownership by the secondary owner was obtained from IDBS.

i. Tertiary Owner Utility Code (OWNRNM03) --

The data element for the tertiary owner was obtained from IDBS.

j. Tertiary Owner State (OWNRST03) --

The data field for the 2 digit postal code for the tertiary owner's state was obtained from IDBS.

k. Ownership by Tertiary Owner (OWNRPR03) --

The percent ownership by the tertiary owner was obtained from IDBS.

SECTION 3

DERIVATIVE FILES

EXISTING UNIT INVENTORY DATA FILE

The existing unit inventory data file is an inventory of physical generating facilities operated by the electric utility industry and the parameters of their operation relevant to assessment and analysis of environmental issues. The file is designed to support data needs within the scope of economic forecasting models, and was originally developed in 1983 as a data input to AUSM.

The file contains unit-specific data on major units in NURF (steam units greater than 25 megawatts of capacity and nonsteam units greater than 50 megawatts) and on "generic" units (smaller units aggregated on a state-specific basis using characteristics such as prime mover and fuel type). Because the running time of AUSM is related exponentially to the number of units, the use of generic units was developed to reduce computer resource requirements of AUSM. Aggregation of smaller units reduces the total number of entities which need to be modeled from nearly 10,000 to nearly 3,500.

Space is provided for over 70 data elements for each generating unit in the existing unit inventory data file. Some of these (designated by N/A) are reserved for use by the model itself and some others have yet to be defined. In addition, there is space for additional elements to be added as needed for model operation or file analysis.

The logical organization of the existing unit inventory data file is presented in Table 11 and discussed below. The physical organization of the data is presented in Appendix B.

Below, detailed information is presented on the individual data elements having definitions different from those discussed in Section 2. The numbers and letters correspond to Table 11.

1. Identification/Location

a. Unit Sequence Code (USEQ) --

The USEQ in the existing unit inventory is assigned in the same manner as it was in the NURF. For a given unit, however, the two USEQ may be different because of the different units composing the two files.

TABLE 11. CONTENTS OF EXISTING UNIT INVENTORY DATA FILE

Name	Contents
1. Identification/Location	
a. USEQ	Unit sequence code
b. ORISPL	DOE plant code (ORIS)
c. UNITX	Unit identification code
d. MULT	Unit multiplier
e. LOCST	FIPS state code
f. LOCCTY	FIPS county code
g. N/A	FIPS owner state
h. ORISR	DOE old utility code (ORIS)
i. N/A	Dispatch region code
j. PNAME	Plant name
k. NAPID	NAPAP plant code
l. POINT_ID	NEDS point code
2. Unit Operation Characteristics	
a. PRIME	Prime mover (see Table A-1)
b. TCODE	Technology code (see Table A-2)
c. HTRATE	Unit heat rate (Btu/kWh)
d. NETDC	Nameplate capacity (MW)
e. NETDC	Current capacity (MW)
f. CFACT	Current capacity factor (fraction)
g. N/A	Unit availability (fraction)
h. GENER	Generation (GWh)
i. BNUM	Bottom type code (see Table A-3)
j. FNUM	Firing type code (see Table A-4)
k. N/A	Nonfuel variable O&M costs (mills/kWh)
3. Unit Lifetime Data	
a. YRONL	Year on-line
b. YRRETDT	Retirement date
4. Primary Fuel Data	
a. FUEL1	Primary fuel code (See Table A-5)
b. HEAT1	Primary fuel heating value*
c. SULF1	Primary fuel sulfur content (fraction)
d. ASH1	Primary fuel ash content (fraction)
e. FCOST1	Primary fuel delivered price (cents/MMBtu)
f. QUAN1	Primary fuel quantity consumed*
g. QCF1	Fuel consumed at capacity factor=1.0*

(continued)

TABLE 11. (continued)

Name	Contents
5. First Coal Data	
a. HFRAC	Btu Fraction of coal use for first coal
b. BTU	First coal heating value*
c. SULF	First coal sulfur content (fraction)
d. ASH	First coal ash content (fraction)
e. COST	First coal delivered price (cents/MMBtu)
f. ORIGIN	First coal supply region (see Table A-6)
6. Second Coal Data	
a. SHFRAC	Btu Fraction of coal use for second coal
b. SBTU	Second coal heating value*
c. SSULF	Second coal sulfur content (fraction)
d. SASH	Second coal ash content (fraction)
e. SCOST	Second coal delivered price (cents/MMBtu)
f. SORIGIN	Second coal supply region (see Table A-6)
7. Secondary Fuel Data	
a. FUEL2	Secondary fuel code (See Table A-5)
b. HEAT2	Secondary fuel heating value*
c. SULF2	Secondary fuel sulfur content (fraction)
d. ASH2	Secondary fuel ash content (fraction)
e. FCOST2	Secondary fuel delivered price (cents/MMBtu)
f. QUAN2	Secondary fuel quantity consumed*
8. Regulatory Information	
a. SO2CAT	SO$_2$ regulatory category (see Table A-7)
b. SO2EMLIM	SO$_2$ emission limit (lbs/MMBtu)
c. N/A	Modeling SO$_2$ standard (lbs/MMBtu)
d. N/A	SO$_2$ compliance year
e. TSPCAT	TSP regulatory category (see Table A-7)
f. N/A	Modeling TSP standard (lbs/MMBtu)
g. N/A	TSP compliance year
h. NOXCAT	NO$_x$ regulatory category (see Table A-7)
i. N/A	Modeling NO$_x$ standard (lbs/MMBtu)
j. N/A	NO$_x$ compliance year

(continued)

TABLE 11. (continued)

	Name	Contents
9. Pollution Control Data		
a.	SO2CNTL	SO_2 control device (see Table A-8)
b.	SO2EFF	SO_2 control efficiency (%)
c.	N/A	SO_2 gas device bypass (%)
d.	SO2RTE	SO_2 emission rate (lbs/MMBtu)
e.	RFACTOR	Scrubber retrofit factor (fraction)
f.	NOXCNTL1	Primary NO_x control device (see Table A-9)
g.	NOXEFF	NO_x control efficiency (%)
h.	NOXRTE	NO_x emission rate (lbs/MMBtu)
i.	TSPCNTL	TSP control device (see Table A-10)
j.	TSPEFF	TSP control efficiency (%)
k.	TSPRTE	TSP emission rate (lbs/MMBtu)
l.	N/A	Total variable cost associated with pollution control ($/kWh)
m.	FUTSO2	Future scrubber planned? (1=yes)
n.	SO2YYMM	Future scrubber date on-line (yymm)
o.	FUTSEF	Future scrubber removal efficiency (%)
10. Ownership Data		
a.	UCODE	Operating utility code
b.	UTILNAME	Operating utility name
c.	OWNRNM01	Primary owner utility code
d.	OWNRST01	Primary owner state (Postal Code)
e.	OWNRPR01	Ownership by primary owner (%)
f.	OWNRNM02	Secondary owner utility code
g.	OWNRST02	Secondary owner state (Postal Code)
h.	OWNRPR02	Ownership by secondary owner (%)
i.	OWNRNM03	Tertiary owner utility code
j.	OWNRST03	Tertiary owner state (Postal Code)
k.	OWNRPR03	Ownership by tertiary owner (%)

*See Table A-11 for information on units used by fuel type.

b. DOE (ORIS) Plant Code (ORISPL) --

Note that generic units are assigned a 5 digit ORISPL in the 30000s.

c. Unit identification code (UNITX) --

Note that generic units are assigned a 3 digit UNITX in the 500s.

d. Unit Multiplier (MULT) --

This field is provided so that control totals developed from the existing unit inventory data file will agree with similar values derived from NURF. For unaggregated units, this value is always 1.0; for generic units, the number indicates the number of identical units assumed to exist. This value is multiplied by activity fields to obtain the existing unit inventory data file control totals.

g. FIPS Owner State --

This field is reserved for future expansion. It is designed to identify the primary state of operation for the major owner of the unit.

i. Dispatch Region Code --

This field is reserved for future expansion. It is designed to identify a dispatching region, which is an aggregation of states.

2. Unit Operation Characteristics

e. Current Capacity (NETDC) --

The value provided is the nameplate capacity as defined in NURF. This data element is designed to be the capacity net of the effects of pollution control capacity penalties. It may be adjusted during modeling as pollution control equipment is added.

4. Primary Fuel Data

b. Primary Fuel Heating Value (HEAT1),

f. Primary Fuel Quantity Consumed (QUAN1), and

g. Fuel Consumed at Capacity Factor = 1.0 (QCF1) --

See Table A-11 for units.

c. Primary Fuel Sulfur Content (SULF1), and

d. Primary Fuel Ash Content (ASH1) --

The NURF values in percent are converted to a fraction in accordance with AUSM specifications.

5. First Coal Data

b. First Coal Heating Value (BTU) --

See Table A-11 for units.

c. First Coal Sulfur Content (SULF), and

d. First Coal Ash Content (ASH) --

The NURF values in percent are converted to a fraction in accordance with AUSM specifications.

6. Second Coal Data

b. Second Coal Heating Value (SBTU) --

See Table A-11 for units.

c. Second Coal Sulfur Content (SSULF), and

d. Second Coal Ash Content (SASH) --

The NURF values in percent are converted to a fraction in accordance with AUSM specifications.

7. Secondary Fuel Data

b. Secondary Fuel Heating Value (HEAT2), and

f. Secondary Fuel Quantity Consumed (QUAN2) --

See Table A-11 for units.

c. Secondary Fuel Sulfur Content (SULF2), and

d. Secondary Fuel Ash Content (ASH2) --

The NURF value in percent is converted to a fraction in accordance with AUSM specifications.

8. Regulatory Information

c. Modeling SO_2 Standard,

d. SO_2 Compliance Year,

f. Modeling TSP Standard,

g. TSP Compliance Year,

i. Modeling NO_x Standard, and

j. NO_x Compliance Year --

These values are used in the modeling analysis and are not provided as part of the existing unit inventory data file.

9. Pollution Control Data

c. SO_2 Gas Device Bypass --

This field is reserved for modeling purposes and is reported as zero in the existing unit inventory data file.

l. Total Variable Cost Associated with Pollution Control --

This field is reserved for modeling purposes and is reported as zero in the existing unit inventory data file.

ANNOUNCED UNIT INVENTORY DATA FILE

The announced unit file was designed to contain information on all utility generating units which were under construction or planned to come on-line after 1985. There are no size restrictions on units for the announced unit file. Units having longer lead times for construction (e.g., nuclear or coal-fired steam units), however, tend to be more fully represented than units with construction periods of 3 to 5 years (e.g., combustion turbine units) because such units must be planned further in advance. Users of the announced unit file should take this bias into account in any analysis. There is also wide variation in the coverage of announced units by region. For example, California tends to report announced units in great detail, whereas some other states report no announced units.

The announced unit file contains all units for which any information could be obtained. In some cases, however, information such as county location, fuel type, or prime mover was not reported in the sources utilized. Appendix D contains a list of data sources. Data from IDBS formed the initial basis for the announced unit inventory data file. Other major sources of data were the North American Electric Reliability Council (NERC) reports cited in Appendix D. Special attention was paid to nuclear and major coal units, the latter to a lesser extent. Where data from different sources disagreed, the highest preference generally was given to published data from the industry or from DOE, but publication dates and scope of the report were also determining factors.

Also included are units with scheduled or anticipated modifications or conversions to coal. These units will often appear twice in the master file -- once as an existing unit and once as an announced unit. If the data for such units have been extracted solely from the IDBS, the year on-line field contains the scheduled conversion date; the retirement date for those corresponding existing units is one year prior to the announced year on-line date.

Announced unit data obtained from IDBS include ORISPL, UNITX, LOCST, LOCCTY, PNAME, PRIME, NETDC, YRONL, and FUEL1-FUEL3. Ownership data from IDBS are also included. TCODE was assigned in the same manner as it was for existing units.

Appendix C contains a detailed file layout for the announced unit inventory data file. Table 12 presents the logical organization of the announced unit inventory data file. Below, individual data fields having different definitions from those described in Section 2 are discussed. The number and letters correspond to those in Table 12.

1. Identification/Location

b. DOE (ORIS) Plant Code (ORISPL) --

Note that for announced units in new plants (that have no previously assigned ORISPL), a dummy ORISPL in the 9000s is assigned.

3. Unit Lifetime Data

a. Year On-Line (YRONL) --

The projected year on-line date was generally obtained from IDBS. Many other non-automated, recent sources were also used to obtain this information.

TABLE 12. CONTENTS OF ANNOUNCED UNIT INVENTORY DATA FILE

Name	Contents
1. Identification/Location	
a. USEQ	Unit sequence number
b. ORISPL	DOE plant code (ORIS)
c. UNITX	Unit identification code
d. LOCST	FIPS state code
e. LOCCTY	FIPS county code
f. N/A	FIPS owner state
g. ORISR	DOE old utility code (ORIS)
h. N/A	Dispatch region code
i. PNAME	Plant name
2. Unit Operation Characteristics	
a. PRIME	Prime mover (see Table A-1)
b. TCODE	Technology code (see Table A-2)
c. N/A	Unit heat rate (Btu/kWh)
d. NETDC	Nameplate capacity (MW)
e. N/A	Current capacity (MW)
f. CFACT	Current capacity factor (fraction)
g. N/A	Unit availability (fraction)
h. GENER	Generation (GWh)
i. N/A	Nonfuel variable O&M costs (mills/kWh)
3. Unit Lifetime Data	
a. YRONL	Year on-line
b. N/A	Retirement year
4. Regulatory Information	
a. SO2CAT	SO_2 regulatory category (see Table A-7)
b. TSPCAT	TSP regulatory category (see Table A-7)
c. NOXCAT	NO_x regulatory category (see Table A-7)
5. Ownership Data	
a. UCODE	Operating utility code
b. UTILNAME	Operating utility name
c. OWNRNM01	Primary owner utility code
d. OWNRST01	Primary owner state (Postal Code)
e. OWNRPR01	Ownership by primary owner (%)
f. OWNRNM02	Secondary owner utility code
g. OWNRST02	Secondary owner state (Postal Code)
h. OWNRPR02	Ownership by secondary owner (%)
i. OWNRNM03	Tertiary owner utility code
j. OWNRST03	Tertiary owner state (Postal Code)
k. OWNRPR03	Ownership by tertiary owner (%)

SECTION 4

SUMMARIES OF NURF DATA

In this chapter, summary analyses of the NURF data are provided.

COMPARISON WITH OTHER DATA

As indicated throughout the report, NURF was developed using a number of available sources of information. As a result, NURF does not exactly match any of its input files. Aggregated measures of key variables, however, are in excellent agreement with published statistics.

Tables 13, 14, and 15 present national summaries of coal, oil, and gas use by electric utilities taken from NURF and corresponding values taken from DOE's Electric Power Annual (U.S. DOE, 1986). NURF coverage of fossil fuel use differs slightly from DOE published values due to the inclusion of fuel use data reported to NEDS for larger plants.

Table 16 demonstrates the agreement between generation and capacity data in the DOE and NURF data bases.

GENERAL CHARACTERISTICS OF NURF

Tables 17 and 18 present utility emissions of SO_2 and NO_x in the 1985 NURF. Table 19 lists by state the total number of plants and units contained in the 1985 NURF. Table 20 ranks the top 100 electric utilities in terms of SO_2 emissions. These plants account for nearly 70 percent of all electric utility emissions in 1985. Table 21 lists fossil fuel-fired electric utility generating units larger than 75 MW.

TABLE 13. UTILITY COAL USE BY STATE (1,000 tons)

STATE	NURF	DOE
Alabama	21,658	21,545
Arizona	14,249	14,448
Arkansas	11,701	12,301
California	0	0
Colorado	13,812	14,294
Connecticut	774	774
Delaware	2,424	2,513
Dist. of Columbia	0	0
Florida	18,135	18,283
Georgia	28,125	28,285
Idaho	0	0
Illinois	31,246	31,607
Indiana	38,607	38,310
Iowa	12,559	12,491
Kansas	14,343	14,350
Kentucky	27,064	27,085
Louisiana	8,949	8,760
Maine	0	0
Maryland	7,046	7,046
Massachusetts	4,093	3,865
Michigan	24,998	25,903
Minnesota	11,821	11,497
Mississippi	4,269	4,267
Missouri	22,629	22,778
Montana	5,480	5,480
Nebraska	6,416	6,380
Nevada	5,656	5,427
New Hampshire	1,436	1,433
New Jersey	3,521	3,476
New Mexico	15,204	14,498
New York	7,863	7,787
North Carolina	19,604	19,610
North Dakota	17,628	17,354
Ohio	46,805	46,700
Oklahoma	12,803	12,747
Oregon	417	417
Pennsylvania	41,885	41,869
Rhode Island	0	0
South Carolina	7,665	7,888
South Dakota	2,402	2,406
Tennessee	21,086	20,852
Texas	72,228	71,818
Utah	6,266	6,324
Vermont	29	28
Virginia	7,122	7,166
Washington	5,192	5,192
West Virginia	31,330	31,366
Wisconsin	16,179	15,881
Wyoming	21,174	21,173
TOTAL	693,892	693,675

TABLE 14. UTILITY OIL USE BY STATE (1,000 gal)

STATE	NURF	DOE
Alabama	12,871	3,696
Arizona	15,129	14,994
Arkansas	4,719	882
California	210,347	206,850
Colorado	47,033	5,082
Connecticut	716,351	717,738
Delaware	123,296	115,542
Dist. of Columbia	13,284	0
Florida	1,012,718	994,476
Georgia	12,038	12,264
Idaho	59	42
Illinois	113,961	126,210
Indiana	16,655	17,388
Iowa	2,417	4,326
Kansas	8,697	9,030
Kentucky	3,709	11,340
Louisiana	12,831	8,022
Maine	145,459	145,362
Maryland	236,977	250,362
Massachusetts	1,051,032	1,027,614
Michigan	46,663	49,056
Minnesota	1,453	2,058
Mississippi	6,139	7,098
Missouri	9,220	9,198
Montana	1,581	1,596
Nebraska	1,388	2,604
Nevada	354	4,368
New Hampshire	97,598	99,246
New Jersey	240,152	238,056
New Mexico	359	3,612
New York	1,960,607	1,849,722
North Carolina	14,792	18,606
North Dakota	942	3,108
Ohio	21,911	27,258
Oklahoma	2,400	3,654
Oregon	27	126
Pennsylvania	608,666	547,890
Rhode Island	29,121	30,576
South Carolina	6,019	7,728
South Dakota	1,685	1,680
Tennessee	8,071	9,954
Texas	80,667	69,594
Utah	3,362	3,360
Vermont	1,654	1,428
Virginia	68,131	68,922
Washington	741	714
West Virginia	12,616	15,498
Wisconsin	6,682	10,542
Wyoming	6,113	6,006
TOTAL	6,998,697	6,216,588

TABLE 15. UTILITY GAS USE BY STATE (MMcf)

STATE	NURF	DOE
Alabama	978	1,078
Arizona	32,756	41,731
Arkansas	11,368	11,411
California	663,042	666,274
Colorado	6,240	4,913
Connecticut	1,559	1,559
Delaware	4,368	7,266
Dist. of Columbia	0	0
Florida	162,132	165,683
Georgia	6,941	885
Idaho	24	24
Illinois	5,850	5,881
Indiana	1,013	1,117
Iowa	1,912	2,100
Kansas	21,594	21,181
Kentucky	1,058	1,121
Louisiana	295,692	285,039
Maine	0	0
Maryland	1,482	1,372
Massachusetts	45,057	45,161
Michigan	10,507	10,126
Minnesota	1,667	1,275
Mississippi	53,633	53,579
Missouri	4,626	1,466
Montana	424	468
Nebraska	1,089	1,284
Nevada	8,457	8,080
New Hampshire	65	0
New Jersey	32,012	61,362
New Mexico	42,616	28,133
New York	169,039	172,631
North Carolina	593	595
North Dakota	1	2
Ohio	579	699
Oklahoma	220,760	200,686
Oregon	61	0
Pennsylvania	1,217	1,570
Rhode Island	2,532	2,532
South Carolina	494	483
South Dakota	31	26
Tennessee	0	0
Texas	1,196,427	1,197,590
Utah	117	235
Vermont	94	95
Virginia	1,526	1,528
Washington	77	77
West Virginia	0	122
Wisconsin	1,254	1,317
Wyoming	122	132
TOTAL	3,013,086	3,009,889

TABLE 16. ELECTRIC UTILITY GENERATION AND CAPACITY BY STATE

STATE	Generation (GWH) NURF	Generation (GWH) DOE	Capacity (MW) NURF	Capacity (MW) DOE
Alabama	72,700	72,667	19,977	19,977
Arizona	43,798	48,227	12,025	12,089
Arkansas	35,549	35,565	9,300	9,275
California	129,112	127,846	45,219	45,106
Colorado	29,739	28,812	7,477	7,285
Connecticut	25,231	25,227	6,176	6,164
Delaware	8,446	8,470	1,898	1,900
Dist. of Columbia	115	107	868	868
Florida	95,986	96,434	34,119	34,214
Georgia	81,487	80,925	18,685	18,699
Idaho	10,873	10,866	2,047	2,040
Illinois	103,567	103,667	32,735	32,699
Indiana	79,405	78,484	21,633	21,340
Iowa	23,644	23,474	8,652	8,622
Kansas	27,634	27,512	10,508	10,532
Kentucky	62,881	63,047	16,766	16,776
Louisiana	44,336	44,261	17,477	18,436
Maine	9,088	9,136	2,277	2,382
Maryland	32,271	32,300	10,431	10,446
Massachusetts	37,251	36,259	10,206	9,993
Michigan	76,875	74,485	23,130	24,122
Minnesota	31,317	30,954	8,516	8,511
Mississippi	19,278	19,185	7,079	7,080
Missouri	57,810	57,335	16,608	16,565
Montana	18,773	18,773	4,151	4,903
Nebraska	15,156	15,934	5,970	5,970
Nevada	12,438	16,746	5,554	5,554
New Hampshire	5,730	6,034	1,326	1,384
New Jersey	34,433	34,355	13,369	13,384
New Mexico	27,270	27,108	5,546	5,540
New York	114,436	111,782	32,644	32,514
North Carolina	74,291	74,492	19,679	19,679
North Dakota	22,065	22,071	4,614	4,607
Ohio	111,006	110,763	27,284	27,286
Oklahoma	46,116	44,139	13,713	13,039
Oregon	48,363	48,248	10,581	10,578
Pennsylvania	136,810	135,018	37,187	36,374
Rhode Island	547	547	305	271
South Carolina	53,943	53,555	15,064	15,120
South Dakota	8,599	7,822	2,496	2,496
Tennessee	66,571	66,581	18,021	18,020
Texas	218,313	218,510	60,905	58,987
Utah	15,415	15,411	3,427	3,028
Vermont	4,102	4,185	1,158	1,138
Virginia	42,030	42,084	13,164	13,601
Washington	92,863	93,140	23,742	23,739
West Virginia	79,642	79,536	15,152	15,152
Wisconsin	40,072	41,195	11,588	11,592
Wyoming	35,666	35,661	5,854	5,854
TOTAL	2,463,043	2,458,935	696,303	694,931

TABLE 17. 1985 ELECTRIC UTILITY SO2 EMISSIONS BY STATE
(1,000 tons)

STATE	NURF
Alabama	541.2
Arizona	117.8
Arkansas	60.4
California	4.5
Colorado	67.7
Connecticut	60.9
Delaware	59.1
Dist. of Columbia	0.8
Florida	525.0
Georgia	998.9
Idaho	0.0
Illinois	1,035.2
Indiana	1,474.6
Iowa	194.7
Kansas	103.7
Kentucky	764.5
Louisiana	76.4
Maine	10.4
Maryland	211.6
Massachusetts	263.8
Michigan	402.3
Minnesota	107.9
Mississippi	102.9
Missouri	951.8
Montana	16.3
Nebraska	46.0
Nevada	32.8
New Hampshire	74.2
New Jersey	101.7
New Mexico	77.9
New York	409.1
North Carolina	344.3
North Dakota	144.2
Ohio	2,194.4
Oklahoma	82.1
Oregon	2.5
Pennsylvania	1,188.5
Rhode Island	2.3
South Carolina	144.7
South Dakota	33.6
Tennessee	804.3
Texas	540.2
Utah	23.9
Vermont	1.2
Virginia	130.8
Washington	68.8
West Virginia	931.7
Wisconsin	381.3
Wyoming	137.4
TOTAL	16,050.3

TABLE 18. 1985 ELECTRIC UTILITY NOx EMISSIONS BY STATE
(1,000 tons)

STATE	NURF
Alabama	194.9
Arizona	75.7
Arkansas	49.6
California	53.3
Colorado	114.1
Connecticut	23.5
Delaware	30.1
Dist. of Columbia	0.4
Florida	255.2
Georgia	232.2
Idaho	0.0
Illinois	428.3
Indiana	459.6
Iowa	80.1
Kansas	155.9
Kentucky	261.1
Louisiana	184.5
Maine	4.9
Maryland	68.5
Massachusetts	82.4
Michigan	246.9
Minnesota	125.9
Mississippi	40.0
Missouri	248.1
Montana	25.4
Nebraska	35.8
Nevada	61.3
New Hampshire	21.6
New Jersey	62.2
New Mexico	108.6
New York	127.8
North Carolina	187.1
North Dakota	106.3
Ohio	488.9
Oklahoma	89.1
Oregon	1.5
Pennsylvania	461.4
Rhode Island	1.8
South Carolina	82.4
South Dakota	15.7
Tennessee	197.2
Texas	548.7
Utah	52.9
Vermont	1.5
Virginia	76.5
Washington	37.4
West Virginia	316.7
Wisconsin	112.1
Wyoming	92.2
TOTAL	6,727.1

TABLE 19. NUMBER OF UTILITY PLANTS AND UNITS BY STATE

STATE	PLANTS	UNITS
Alabama	34	147
Arizona	31	92
Arkansas	31	99
California	277	647
Colorado	64	169
Connecticut	33	89
Delaware	9	28
Dist. of Columbia	2	4
Florida	67	325
Georgia	47	191
Idaho	42	116
Illinois	72	320
Indiana	43	163
Iowa	117	429
Kansas	97	345
Kentucky	33	109
Louisiana	39	148
Maine	52	172
Maryland	23	106
Massachusetts	62	192
Michigan	147	579
Minnesota	114	374
Mississippi	20	46
Missouri	89	334
Montana	31	103
Nebraska	88	289
Nevada	22	84
New Hampshire	16	48
New Jersey	28	116
New Mexico	21	66
New York	187	637
North Carolina	61	197
North Dakota	23	56
Ohio	55	240
Oklahoma	40	144
Oregon	59	190
Pennsylvania	66	271
Rhode Island	6	24
South Carolina	51	202
South Dakota	29	86
Tennessee	35	139
Texas	137	436
Utah	60	110
Vermont	62	124
Virginia	39	147
Washington	67	287
West Virginia	22	59
Wisconsin	131	418
Wyoming	25	58
TOTAL	2,906	9,755

TABLE 20. TOP 100 UTILITY PLANT SO2 EMISSIONS (1000 tons)

RANK	PLANT	STATE	SO2	NOx
1	Gen J M Gavin	Ohio	363.2	57.5
2	Cumberland	Tennessee	346.2	67.1
3	Bowen	Georgia	305.3	63.1
4	Gibson	Indiana	304.3	73.2
5	Clifty Creek	Indiana	268.6	72.7
6	Labadie	Missouri	266.2	41.0
7	Baldwin	Illinois	264.6	71.4
8	Muskingum River	Ohio	253.4	45.1
9	Wansley	Georgia	248.7	36.9
10	Harrison	West Virginia	234.7	43.6
11	Kyger Creek	Ohio	222.7	54.4
12	Conemaugh	Pennsylvania	183.1	43.9
13	W H Sammis	Ohio	180.3	55.6
14	Kincaid	Illinois	174.0	49.9
15	Hatfield's Ferry	Pennsylvania	161.1	39.4
16	J M Stuart	Ohio	159.7	82.2
17	Cardinal	Ohio	159.6	39.0
18	E C Gaston	Alabama	159.3	44.7
19	Eastlake	Ohio	158.3	13.5
20	Kammer	West Virginia	157.0	35.1
21	New Madrid	Missouri	152.3	44.9
22	Big Bend	Florida	148.6	47.4
23	Conesville	Ohio	141.6	33.5
24	Colbert	Alabama	141.0	33.7
25	Coffeen	Illinois	138.9	35.6
26	Brunner Island	Pennsylvania	133.8	44.0
27	Yates	Georgia	129.8	22.0
28	Monroe	Michigan	129.0	78.1
29	Gallatin	Tennessee	128.7	18.3
30	Mt Storm	West Virginia	128.[illegible]	27.6
31	Cayuga	Indiana	126.1	28.0
32	Paradise	Kentucky	122.0	72.2
33	Thomas Hill	Missouri	120.3	52.7
34	Keystone	Pennsylvania	118.9	43.6
35	Mill Creek	Kentucky	118.8	17.4
36	Homer City	Pennsylvania	111.7	44.5
37	Joppa Steam	Illinois	107.6	29.5
38	Montour	Pennsylvania	107.4	38.6
39	Monticello	Texas	106.8	86.5
40	Mitchell	West Virginia	103.3	36.1
41	Harllee Branch	Georgia	101.2	43.3
42	Johnsonville	Tennessee	98.2	24.5
43	Miami Fort	Ohio	98.0	20.2
44	Crist	Florida	97.4	18.8
45	John E Amos	West Virginia	96.1	69.0
46	Montrose	Missouri	96.1	11.8
47	Ghent	Kentucky	94.3	17.8
48	Martin Lake	Texas	94.2	49.4
49	Petersburg	Indiana	94.2	23.2
50	Fort Martin	West Virginia	89.1	22.9

TABLE 20 (continued)

RANK	PLANT	STATE	SO2	NOx
51	Roxboro	North Carolina	86.3	53.0
52	J H Campbell	Michigan	86.2	33.0
53	Northport	New York	84.6	10.4
54	South Oak Creek	Wisconsin	84.3	13.7
55	Crystal River	Florida	81.4	46.6
56	Belews Creek	North Carolina	81.0	43.6
57	Kingston	Tennessee	80.0	28.0
58	Avon Lake	Ohio	77.3	5.2
59	Gorgas	Alabama	76.1	22.9
60	R E Burger	Ohio	74.2	13.0
61	Jack Watson	Mississippi	73.8	16.0
62	Brayton Point	Massachusetts	71.7	26.6
63	Ashtabula	Ohio	71.4	4.4
64	Breed	Indiana	70.4	16.3
65	Navajo	Arizona	70.2	31.7
66	Allen	Tennessee	69.3	29.2
67	Canal	Massachusetts	69.0	13.2
68	Centralia	Washington	68.8	37.4
69	Morgantown	Maryland	67.5	15.4
70	Jack McDonough	Georgia	66.5	10.4
71	Tanners Creek	Indiana	66.0	23.7
72	Jim Bridger	Wyoming	64.6	31.7
73	Hammond	Georgia	64.4	21.6
74	Shawville	Pennsylvania	64.0	17.2
75	R Gallagher	Indiana	63.8	10.7
76	F B Culley	Indiana	62.4	11.0
77	Rush Island	Missouri	59.8	20.5
78	W.A. Parish	Texas	59.7	34.8
79	Chalk Point	Maryland	59.6	18.1
80	Martins Creek	Pennsylvania	59.4	24.3
81	Warrick	Indiana	58.7	9.5
82	Marshall	North Carolina	58.2	24.9
83	Shawnee	Kentucky	57.7	25.3
84	Coleman	Kentucky	57.4	14.3
85	Walter C Beckjord	Ohio	57.0	12.2
86	Michigan City	Indiana	56.9	19.7
87	Asbury	Missouri	55.2	4.5
88	E W Brown	Kentucky	54.8	11.2
89	Merrimack	New Hampshire	54.5	15.8
90	Wabash River	Indiana	54.4	13.7
91	Sioux	Missouri	53.5	21.2
92	Big Brown	Texas	53.1	44.3
93	Dunkirk	New York	52.7	10.2
94	C R Huntley	New York	50.9	13.1
95	John Sevier	Tennessee	50.5	14.9
96	Hennepin	Illinois	49.9	6.9
97	Edgewater	Wisconsin	49.4	18.9
98	Barry	Alabama	48.8	26.0
99	Elmer W Stout	Indiana	48.4	13.7
100	F J Gannon	Florida	47.9	36.8
		TOTAL	11,247.5	3,204.9

TABLE 21. ELECTRIC UTILITY UNITS >= 75 MW

State	Plant Name	Utility Name	Unit	Capacity (MW)	SO2 Emission Rate (lbs/MMBtu)	Fuel Consumed (10^12 Btu)	SO2 Emissions (tons)
AL	BARRY	ALABAMA POWER CO	1	153	1.05	8.4	4,424
AL	BARRY	ALABAMA POWER CO	2	153	1.09	8.9	4,873
AL	BARRY	ALABAMA POWER CO	3	272	1.10	16.4	8,970
AL	BARRY	ALABAMA POWER CO	4	404	1.10	17.5	9,633
AL	BARRY	ALABAMA POWER CO	5	789	1.06	39.5	20,910
AL	COLBERT	TENNESSEE VALLEY AUTHORITY	1	200	3.83	10.7	20,499
AL	COLBERT	TENNESSEE VALLEY AUTHORITY	2	200	3.84	10.6	20,258
AL	COLBERT	TENNESSEE VALLEY AUTHORITY	3	200	3.82	12.2	23,275
AL	COLBERT	TENNESSEE VALLEY AUTHORITY	4	200	3.83	12.9	24,721
AL	COLBERT	TENNESSEE VALLEY AUTHORITY	5	550	3.80	27.5	52,279
AL	E C GASTON	ALABAMA POWER CO	ST4	245	2.72	17.2	23,485
AL	E C GASTON	ALABAMA POWER CO	1	272	2.72	16.3	22,220
AL	E C GASTON	ALABAMA POWER CO	2	272	2.72	16.1	21,862
AL	E C GASTON	ALABAMA POWER CO	3	272	2.72	17.2	23,369
AL	E C GASTON	ALABAMA POWER CO	5	952	2.76	49.6	68,352
AL	GORGAS	ALABAMA POWER CO	10	789	2.09	37.4	39,141
AL	GORGAS	ALABAMA POWER CO	6	125	2.24	4.7	5,280
AL	GORGAS	ALABAMA POWER CO	7	125	2.24	5.7	6,350
AL	GORGAS	ALABAMA POWER CO	8	188	2.15	10.1	10,803
AL	GORGAS	ALABAMA POWER CO	9	190	2.15	10.2	10,988
AL	GREENE COUNTY	ALABAMA POWER CO	1	299	2.01	16.9	16,965
AL	GREENE COUNTY	ALABAMA POWER CO	2	269	2.29	13.9	15,844
AL	JAMES H MILLER JR	ALABAMA POWER CO	1	706	0.93	27.2	12,660
AL	JAMES H MILLER JR	ALABAMA POWER CO	2	706	0.92	24.5	11,295
AL	TOMBIGBEE	ALABAMA ELECTRIC COOP INC	2	235	0.87	12.8	5,614
AL	TOMBIGBEE	ALABAMA ELECTRIC COOP INC	3	235	0.88	10.4	4,595
AL	WIDOWS CREEK	TENNESSEE VALLEY AUTHORITY	1	141	1.33	4.1	2,733
AL	WIDOWS CREEK	TENNESSEE VALLEY AUTHORITY	2	141	1.38	3.8	2,624
AL	WIDOWS CREEK	TENNESSEE VALLEY AUTHORITY	3	141	1.34	5.0	3,351
AL	WIDOWS CREEK	TENNESSEE VALLEY AUTHORITY	4	141	1.34	4.8	3,236
AL	WIDOWS CREEK	TENNESSEE VALLEY AUTHORITY	5	141	1.37	7.3	5,017
AL	WIDOWS CREEK	TENNESSEE VALLEY AUTHORITY	6	141	1.81	4.7	4,287
AL	WIDOWS CREEK	TENNESSEE VALLEY AUTHORITY	7	575	0.86	12.2	5,257
AL	WIDOWS CREEK	TENNESSEE VALLEY AUTHORITY	8	550	0.58	19.2	5,556
AR	CARL BAILEY	ARKANSAS ELECTRIC COOP CORP	1	122	0.00	0.1	0
AR	CECIL LYNCH	ARKANSAS POWER & LIGHT CO	3	100	0.00	0.0	0
AR	FLINT CREEK	SOUTHWESTERN ELECTRIC POWER CO	1	558	0.65	30.8	10,068
AR	HARVEY COUCH	ARKANSAS POWER & LIGHT CO	2	125	0.00	5.2	0
AR	INDEPENDENCE	ARKANSAS POWER & LIGHT CO	1	800	1.10	45.2	24,811
AR	INDEPENDENCE	ARKANSAS POWER & LIGHT CO	2	800	0.56	45.2	12,542
AR	LAKE CATHERINE	ARKANSAS POWER & LIGHT CO	3	90	0.05	0.3	7
AR	LAKE CATHERINE	ARKANSAS POWER & LIGHT CO	4	507	0.03	2.3	29
AR	MCCLELLAN	ARKANSAS ELECTRIC COOP CORP	1	133	0.00	0.1	0
AR	ROBERT E RITCHIE	ARKANSAS POWER & LIGHT CO	1	325	0.01	2.8	7
AR	ROBERT E RITCHIE	ARKANSAS POWER & LIGHT CO	2	540	<.01	0.7	1
AR	WHITE BLUFF	ARKANSAS POWER & LIGHT CO	1	800	0.10	39.2	2,044
AR	WHITE BLUFF	ARKANSAS POWER & LIGHT CO	2	800	0.56	39.1	10,909
AZ	AGUA FRIA	SALT RIVER PROJ AG I & P DIST	AF1	114	<.01	2.6	1
AZ	AGUA FRIA	SALT RIVER PROJ AG I & P DIST	AF2	114	<.01	3.1	2
AZ	AGUA FRIA	SALT RIVER PROJ AG I & P DIST	AF3	163	<.01	4.1	1
AZ	APACHE STATION	ARIZONA ELECTRIC PWR COOP INC	ST1	75	0.00	0.0	0
AZ	APACHE STATION	ARIZONA ELECTRIC PWR COOP INC	ST2	195	0.59	8.8	2,609
AZ	APACHE STATION	ARIZONA ELECTRIC PWR COOP INC	ST3	195	0.67	8.2	2,772
AZ	CHOLLA	ARIZONA PUBLIC SERVICE COMPANY	1	134	0.51	8.7	2,232

TABLE 21. (continued)

State	Plant Name	Utility Name	Unit	Capacity (MW)	SO2 Emission Rate (lbs/MMBtu)	Fuel Consumed (10^12 Btu)	SO2 Emissions (tons)
AZ	CHOLLA	ARIZONA PUBLIC SERVICE COMPANY	2	302	0.65	18.1	5,925
AZ	CHOLLA	ARIZONA PUBLIC SERVICE COMPANY	3	302	0.66	13.8	4,546
AZ	CHOLLA	ARIZONA PUBLIC SERVICE COMPANY	4	414	0.94	25.3	11,842
AZ	CORONADO	SALT RIVER PROJ AG I & P DIST	CO1	411	0.46	25.1	5,714
AZ	CORONADO	SALT RIVER PROJ AG I & P DIST	CO2	411	0.47	19.7	4,655
AZ	IRVINGTON	TUCSON ELECTRIC POWER CO	ST1	81	0.00	0.8	0
AZ	IRVINGTON	TUCSON ELECTRIC POWER CO	ST2	81	0.00	1.2	0
AZ	IRVINGTON	TUCSON ELECTRIC POWER CO	ST3	104	0.00	0.0	0
AZ	IRVINGTON	TUCSON ELECTRIC POWER CO	4	173	<.01	2.8	1
AZ	NAVAJO	SALT RIVER PROJ AG I & P DIST	NAV1	803	0.89	57.0	25,306
AZ	NAVAJO	SALT RIVER PROJ AG I & P DIST	NAV2	803	0.89	41.5	18,380
AZ	NAVAJO	SALT RIVER PROJ AG I & P DIST	NAV3	803	0.89	59.7	26,494
AZ	OCOTILLO	ARIZONA PUBLIC SERVICE COMPANY	1	133	0.01	2.3	14
AZ	OCOTILLO	ARIZONA PUBLIC SERVICE COMPANY	2	133	0.82	0.0	14
AZ	SAGUARO	ARIZONA PUBLIC SERVICE COMPANY	1	250	0.02	1.4	13
AZ	SPRINGERVILLE	TUCSON ELECTRIC POWER CO	1	350	0.86	16.6	7,149
AZ	YUMA AXIS	ARIZONA PUBLIC SERVICE COMPANY	1	75	<.01	2.9	1
CA	ALAMITOS	SOUTHERN CALIFORNIA EDISON CO	1	163	0.01	9.8	49
CA	ALAMITOS	SOUTHERN CALIFORNIA EDISON CO	2	163	0.01	7.0	35
CA	ALAMITOS	SOUTHERN CALIFORNIA EDISON CO	3	333	0.01	9.9	50
CA	ALAMITOS	SOUTHERN CALIFORNIA EDISON CO	4	333	0.01	9.7	49
CA	ALAMITOS	SOUTHERN CALIFORNIA EDISON CO	5	495	0.01	17.4	87
CA	ALAMITOS	SOUTHERN CALIFORNIA EDISON CO	6	495	0.01	16.5	83
CA	BROADWAY	PASADENA CITY OF	B3	75	0.01	2.9	12
CA	CONTRA COSTA	PACIFIC GAS & ELECTRIC CO	1	119	0.01	1.5	4
CA	CONTRA COSTA	PACIFIC GAS & ELECTRIC CO	2	104	<.01	1.6	3
CA	CONTRA COSTA	PACIFIC GAS & ELECTRIC CO	3	169	<.01	13.6	34
CA	CONTRA COSTA	PACIFIC GAS & ELECTRIC CO	5	113	<.01	1.3	2
CA	CONTRA COSTA	PACIFIC GAS & ELECTRIC CO	6	180	<.01	15.4	22
CA	CONTRA COSTA	PACIFIC GAS & ELECTRIC CO	6A	180	0.00	1.4	0
CA	CONTRA COSTA	PACIFIC GAS & ELECTRIC CO	7	180	<.01	1.4	3
CA	CONTRA COSTA	PACIFIC GAS & ELECTRIC CO	7A	180	<.01	2.8	1
CA	COOL WATER	SOUTHERN CALIFORNIA EDISON CO	2	82	0.01	0.3	1
CA	EL CENTRO	IMPERIAL IRRIGATION DISTRICT	4	82	0.00	1.3	0
CA	EL SEGUNDO	SOUTHERN CALIFORNIA EDISON CO	1	156	0.01	4.7	26
CA	EL SEGUNDO	SOUTHERN CALIFORNIA EDISON CO	2	156	0.01	11.2	62
CA	EL SEGUNDO	SOUTHERN CALIFORNIA EDISON CO	3	342	0.01	7.8	43
CA	EL SEGUNDO	SOUTHERN CALIFORNIA EDISON CO	4	342	0.01	4.5	25
CA	ENCINA	SAN DIEGO GAS & ELECTRIC CO	ST1	110	0.04	2.1	46
CA	ENCINA	SAN DIEGO GAS & ELECTRIC CO	2	110	0.02	4.3	48
CA	ENCINA	SAN DIEGO GAS & ELECTRIC CO	3	110	0.02	2.9	28
CA	ENCINA	SAN DIEGO GAS & ELECTRIC CO	4	306	0.02	6.7	74
CA	ENCINA	SAN DIEGO GAS & ELECTRIC CO	5	346	0.44	4.6	1,026
CA	ETIWANDA	SOUTHERN CALIFORNIA EDISON CO	1	123	0.01	1.2	7
CA	ETIWANDA	SOUTHERN CALIFORNIA EDISON CO	2	123	0.01	1.7	9
CA	ETIWANDA	SOUTHERN CALIFORNIA EDISON CO	3	333	0.01	8.8	46
CA	ETIWANDA	SOUTHERN CALIFORNIA EDISON CO	4	333	0.01	11.2	59
CA	HARBOR GEN STATION	LOS ANGELES DEPT OF WTR & PWR	3	86	0.01	0.4	2
CA	HARBOR GEN STATION	LOS ANGELES DEPT OF WTR & PWR	4	86	0.01	1.0	5
CA	HARBOR GEN STATION	LOS ANGELES DEPT OF WTR & PWR	5	86	0.01	0.5	2
CA	HAYNES GEN STATION	LOS ANGELES DEPT OF WTR & PWR	1	230	0.02	4.7	47
CA	HAYNES GEN STATION	LOS ANGELES DEPT OF WTR & PWR	2	230	0.02	0.5	5
CA	HAYNES GEN STATION	LOS ANGELES DEPT OF WTR & PWR	3	230	0.02	4.2	43
CA	HAYNES GEN STATION	LOS ANGELES DEPT OF WTR & PWR	4	230	0.02	7.2	74

TABLE 21. (continued)

State	Plant Name	Utility Name	Unit	Capacity (MW)	SO2 Emission Rate (lbs/MMBtu)	Fuel Consumed (10^12 Btu)	SO2 Emissions (tons)
CA	HAYNES GEN STATION	LOS ANGELES DEPT OF WTR & PWR	5	343	0.02	8.0	82
CA	HAYNES GEN STATION	LOS ANGELES DEPT OF WTR & PWR	6	343	0.02	12.0	124
CA	HUNTERS POINT	PACIFIC GAS & ELECTRIC CO	4	156	<.01	8.4	9
CA	HUNTINGTON BEACH	SOUTHERN CALIFORNIA EDISON CO	1	218	0.02	8.2	97
CA	HUNTINGTON BEACH	SOUTHERN CALIFORNIA EDISON CO	2	218	0.02	6.9	82
CA	HUNTINGTON BEACH	SOUTHERN CALIFORNIA EDISON CO	3	218	0.02	7.2	87
CA	HUNTINGTON BEACH	SOUTHERN CALIFORNIA EDISON CO	4	218	0.02	7.8	93
CA	MANDALAY	SOUTHERN CALIFORNIA EDISON CO	1	218	0.01	9.2	37
CA	MANDALAY	SOUTHERN CALIFORNIA EDISON CO	2	218	0.01	8.6	32
CA	MORRO BAY	PACIFIC GAS & ELECTRIC CO	1	169	<.01	7.0	3
CA	MORRO BAY	PACIFIC GAS & ELECTRIC CO	2	169	<.01	6.5	6
CA	MORRO BAY	PACIFIC GAS & ELECTRIC CO	3	359	<.01	14.4	5
CA	MORRO BAY	PACIFIC GAS & ELECTRIC CO	4	359	<.01	7.6	11
CA	MOSS LANDING	PACIFIC GAS & ELECTRIC CO	4	113	0.01	1.9	10
CA	MOSS LANDING	PACIFIC GAS & ELECTRIC CO	5	113	0.01	1.9	8
CA	MOSS LANDING	PACIFIC GAS & ELECTRIC CO	6	812	0.01	35.6	103
CA	MOSS LANDING	PACIFIC GAS & ELECTRIC CO	7	812	0.01	39.0	110
CA	ORMOND BEACH	SOUTHERN CALIFORNIA EDISON CO	1	806	0.02	31.3	264
CA	ORMOND BEACH	SOUTHERN CALIFORNIA EDISON CO	2	806	<.01	21.4	32
CA	PITTSBURG	PACIFIC GAS & ELECTRIC CO	1	156	<.01	6.5	5
CA	PITTSBURG	PACIFIC GAS & ELECTRIC CO	2	156	<.01	5.2	10
CA	PITTSBURG	PACIFIC GAS & ELECTRIC CO	3	156	<.01	6.8	7
CA	PITTSBURG	PACIFIC GAS & ELECTRIC CO	4	156	<.01	5.5	12
CA	PITTSBURG	PACIFIC GAS & ELECTRIC CO	5	326	<.01	9.8	10
CA	PITTSBURG	PACIFIC GAS & ELECTRIC CO	6	326	<.01	5.3	10
CA	PITTSBURG	PACIFIC GAS & ELECTRIC CO	7	751	<.01	35.8	31
CA	POTRERO	PACIFIC GAS & ELECTRIC CO	3	218	<.01	13.2	18
CA	REDONDO BEACH	SOUTHERN CALIFORNIA EDISON CO	5	156	<.01	4.1	10
CA	REDONDO BEACH	SOUTHERN CALIFORNIA EDISON CO	6	163	0.01	7.1	18
CA	REDONDO BEACH	SOUTHERN CALIFORNIA EDISON CO	7	495	0.01	20.9	53
CA	REDONDO BEACH	SOUTHERN CALIFORNIA EDISON CO	8	495	<.01	21.2	52
CA	SCATTERGOOD GEN STA	LOS ANGELES DEPT OF WTR & PWR	1	163	0.01	4.9	25
CA	SCATTERGOOD GEN STA	LOS ANGELES DEPT OF WTR & PWR	2	163	0.01	4.0	13
CA	SCATTERGOOD GEN STA	LOS ANGELES DEPT OF WTR & PWR	3	497	<.01	10.4	4
CA	SOUTH BAY	SAN DIEGO GAS & ELECTRIC CO	ST1	136	0.01	8.2	59
CA	SOUTH BAY	SAN DIEGO GAS & ELECTRIC CO	2	136	0.02	4.1	43
CA	SOUTH BAY	SAN DIEGO GAS & ELECTRIC CO	3	202	<.01	7.1	17
CA	SOUTH BAY	SAN DIEGO GAS & ELECTRIC CO	4	240	0.05	3.2	77
CA	VALLEY GEN STATION	LOS ANGELES DEPT OF WTR & PWR	1	100	<.01	1.1	1
CA	VALLEY GEN STATION	LOS ANGELES DEPT OF WTR & PWR	2	100	<.01	1.2	1
CA	VALLEY GEN STATION	LOS ANGELES DEPT OF WTR & PWR	3	173	0.00	0.0	0
CA	VALLEY GEN STATION	LOS ANGELES DEPT OF WTR & PWR	4	173	<.01	2.9	5
CO	ARAPAHOE	PUBLIC SERVICE CO OF COLORADO	4	100	0.40	5.1	1,029
CO	CHEROKEE	PUBLIC SERVICE CO OF COLORADO	1	100	0.72	5.7	2,055
CO	CHEROKEE	PUBLIC SERVICE CO OF COLORADO	2	128	0.72	9.3	3,313
CO	CHEROKEE	PUBLIC SERVICE CO OF COLORADO	3	263	0.72	19.1	6,839
CO	CHEROKEE	PUBLIC SERVICE CO OF COLORADO	4	350	0.00	0.1	0
CO	COMANCHE	PUBLIC SERVICE CO OF COLORADO	1	350	0.58	16.9	4,935
CO	COMANCHE	PUBLIC SERVICE CO OF COLORADO	2	350	0.58	21.3	6,226
CO	CRAIG	COLORADO UTE ELECTRIC ASSN INC	1	446	0.13	25.7	1,674
CO	CRAIG	COLORADO UTE ELECTRIC ASSN INC	2	446	0.13	23.6	1,539
CO	CRAIG	COLORADO UTE ELECTRIC ASSN INC	3	446	0.19	20.7	2,009
CO	HAYDEN	COLORADO UTE ELECTRIC ASSN INC	1	190	0.78	19.4	7,583
CO	HAYDEN	COLORADO UTE ELECTRIC ASSN INC	2	275	0.37	0.0	5

TABLE 21. (continued)

State	Plant Name	Utility Name	Unit	Capacity (MW)	SO2 Emission Rate (lbs/MMBtu)	Fuel Consumed (10^12 Btu)	SO2 Emissions (tons)
CO	MARTIN DRAKE	COLORADO SPRINGS CITY OF	6	75	0.68	5.8	1,993
CO	MARTIN DRAKE	COLORADO SPRINGS CITY OF	7	132	0.68	8.2	2,803
CO	PAWNEE	PUBLIC SERVICE CO OF COLORADO	1	500	0.70	42.1	14,727
CO	RAWHIDE	PLATTE RIVER POWER AUTHORITY	1	255	0.11	19.6	1,103
CO	RAY D NIXON	COLORADO SPRINGS CITY OF	1	207	0.56	11.3	3,183
CO	VALMONT	PUBLIC SERVICE CO OF COLORADO	4	86	0.00	6.4	0
CO	VALMONT	PUBLIC SERVICE CO OF COLORADO	5	166	0.66	6.5	2,163
CT	BRIDGEPORT HARBOR	UNITED ILLUMINATING CO	1	82	1.06	2.9	1,517
CT	BRIDGEPORT HARBOR	UNITED ILLUMINATING CO	2	180	1.06	7.7	4,110
CT	BRIDGEPORT HARBOR	UNITED ILLUMINATING CO	3	410	1.05	20.5	10,728
CT	DEVON	CONNECTICUT LIGHT & POWER CO	7	104	1.06	4.3	2,268
CT	DEVON	CONNECTICUT LIGHT & POWER CO	8	104	1.06	5.2	2,733
CT	MIDDLETOWN	CONNECTICUT LIGHT & POWER CO	2	114	0.53	4.4	1,171
CT	MIDDLETOWN	CONNECTICUT LIGHT & POWER CO	3	239	0.53	11.4	3,022
CT	MIDDLETOWN	CONNECTICUT LIGHT & POWER CO	4	415	0.53	6.9	1,814
CT	MONTVILLE	CONNECTICUT LIGHT & POWER CO	5	75	0.58	3.4	983
CT	MONTVILLE	CONNECTICUT LIGHT & POWER CO	6	415	1.06	12.5	6,617
CT	NEW HAVEN HARBOR	UNITED ILLUMINATING CO	1	465	1.06	23.9	12,693
CT	NORWALK HARBOR	CONNECTICUT LIGHT & POWER CO	1	163	1.06	9.0	4,759
CT	NORWALK HARBOR	CONNECTICUT LIGHT & POWER CO	2	163	1.06	8.7	4,623
DC	BENNING	POTOMAC ELECTRIC POWER CO	15	290	1.00	0.5	272
DC	BENNING	POTOMAC ELECTRIC POWER CO	16	290	1.00	1.0	505
DE	DELAWARE CITY	DELMARVA POWER & LIGHT CO	3	75	0.10	2.5	127
DE	EDGE MOOR	DELMARVA POWER & LIGHT CO	3	82	1.12	5.9	3,310
DE	EDGE MOOR	DELMARVA POWER & LIGHT CO	4	167	1.12	9.9	5,558
DE	EDGE MOOR	DELMARVA POWER & LIGHT CO	5	446	0.94	12.9	6,075
DE	INDIAN RIVER	DELMARVA POWER & LIGHT CO	1	82	2.42	5.8	7,012
DE	INDIAN RIVER	DELMARVA POWER & LIGHT CO	2	82	2.42	5.8	7,012
DE	INDIAN RIVER	DELMARVA POWER & LIGHT CO	3	177	2.42	10.5	12,740
DE	INDIAN RIVER	DELMARVA POWER & LIGHT CO	4	442	1.05	25.8	13,502
DE	MCKEE RUN	DOVER CITY OF	3	114	1.93	3.3	3,160
FL	ANCLOTE	FLORIDA POWER CORP	1	556	1.33	9.0	6,016
FL	ANCLOTE	FLORIDA POWER CORP	2	556	1.35	14.7	9,917
FL	ARVAH B HOPKINS	TALLAHASSEE CITY OF	1	75	0.06	0.6	18
FL	ARVAH B HOPKINS	TALLAHASSEE CITY OF	2	259	0.14	9.6	661
FL	BIG BEND	TAMPA ELECTRIC CO	ST2	446	4.84	20.4	49,245
FL	BIG BEND	TAMPA ELECTRIC CO	ST3	446	3.36	21.6	36,348
FL	BIG BEND	TAMPA ELECTRIC CO	ST4	486	0.51	22.6	5,770
FL	BIG BEND	TAMPA ELECTRIC CO	1	446	4.82	23.7	57,149
FL	C D MCINTOSH, JR.	LAKELAND CITY OF	ST1	90	0.20	1.8	178
FL	C D MCINTOSH, JR.	LAKELAND CITY OF	ST2	115	0.12	2.3	138
FL	C D MCINTOSH, JR.	LAKELAND CITY OF	3	334	0.30	19.6	2,934
FL	CAPE CANAVERAL	FLORIDA POWER & LIGHT CO	1	402	0.22	9.8	1,054
FL	CAPE CANAVERAL	FLORIDA POWER & LIGHT CO	2	402	0.25	11.8	1,463
FL	CRIST	GULF POWER CO	4	94	5.67	3.4	9,674
FL	CRIST	GULF POWER CO	5	94	5.31	3.1	8,222
FL	CRIST	GULF POWER CO	6	370	5.74	9.1	26,148
FL	CRIST	GULF POWER CO	7	578	5.17	20.7	53,385
FL	CRYSTAL RIVER	FLORIDA POWER CORP	ST4	739	1.06	34.8	18,367
FL	CRYSTAL RIVER	FLORIDA POWER CORP	1	441	1.64	17.6	14,423
FL	CRYSTAL RIVER	FLORIDA POWER CORP	2	524	1.64	28.9	23,592
FL	CRYSTAL RIVER	FLORIDA POWER CORP	5	739	1.12	44.6	25,019
FL	CUTLER	FLORIDA POWER & LIGHT CO	5	75	0.00	0.0	0
FL	CUTLER	FLORIDA POWER & LIGHT CO	6	162	0.00	0.0	0

TABLE 21. (continued)

State	Plant Name	Utility Name	Unit	Capacity (MW)	SO2 Emission Rate (lbs/MMBtu)	Fuel Consumed (10^12 Btu)	SO2 Emissions (tons)
FL	DEERHAVEN	GAINESVILLE CITY OF	1	75	0.03	2.7	34
FL	DEERHAVEN	GAINESVILLE CITY OF	2	251	1.56	12.0	9,360
FL	F J GANNON	TAMPA ELECTRIC CO	1	103	1.51	2.1	1,612
FL	F J GANNON	TAMPA ELECTRIC CO	2	108	1.73	4.2	3,652
FL	F J GANNON	TAMPA ELECTRIC CO	3	150	1.80	7.8	6,995
FL	F J GANNON	TAMPA ELECTRIC CO	4	169	1.79	10.1	9,014
FL	F J GANNON	TAMPA ELECTRIC CO	5	239	1.80	12.0	10,756
FL	F J GANNON	TAMPA ELECTRIC CO	6	414	1.75	18.0	15,823
FL	FORT MYERS	FLORIDA POWER & LIGHT CO	ST1	156	1.06	3.0	1,578
FL	FORT MYERS	FLORIDA POWER & LIGHT CO	ST2	402	1.06	10.0	5,290
FL	G E TURNER	FLORIDA POWER CORP	ST3	79	0.75	1.6	607
FL	G E TURNER	FLORIDA POWER CORP	ST4	82	0.73	1.2	442
FL	INDIAN RIVER	ORLANDO UTILITIES COMM	1	87	0.99	1.0	502
FL	INDIAN RIVER	ORLANDO UTILITIES COMM	2	208	0.55	3.0	815
FL	INDIAN RIVER	ORLANDO UTILITIES COMM	3	345	0.07	11.2	384
FL	J D KENNEDY	JACKSONVILLE ELECTRIC AUTH	10	150	1.06	2.4	1,300
FL	LAUDERDALE	FLORIDA POWER & LIGHT CO	ST4	156	0.07	2.4	79
FL	LAUDERDALE	FLORIDA POWER & LIGHT CO	ST5	156	0.14	1.6	107
FL	MANATEE	FLORIDA POWER & LIGHT CO	1	863	1.10	6.2	3,415
FL	MANATEE	FLORIDA POWER & LIGHT CO	2	863	1.10	13.0	7,157
FL	MARTIN	FLORIDA POWER & LIGHT CO	1	863	0.77	10.1	3,900
FL	MARTIN	FLORIDA POWER & LIGHT CO	2	863	0.77	7.4	2,843
FL	NORTHSIDE	JACKSONVILLE ELECTRIC AUTH	ST3	564	1.91	9.9	9,436
FL	NORTHSIDE	JACKSONVILLE ELECTRIC AUTH	1	298	1.91	7.0	6,648
FL	NORTHSIDE	JACKSONVILLE ELECTRIC AUTH	2	298	0.00	0.0	0
FL	P L BARTOW	FLORIDA POWER CORP	ST1	128	2.58	3.3	4,263
FL	P L BARTOW	FLORIDA POWER CORP	ST2	117	2.12	3.6	3,859
FL	P L BARTOW	FLORIDA POWER CORP	ST3	239	1.09	8.4	4,549
FL	PORT EVERGLADES	FLORIDA POWER & LIGHT CO	ST1	225	0.25	6.8	856
FL	PORT EVERGLADES	FLORIDA POWER & LIGHT CO	ST2	225	0.38	0.9	168
FL	PORT EVERGLADES	FLORIDA POWER & LIGHT CO	ST3	402	0.18	20.3	1,781
FL	PORT EVERGLADES	FLORIDA POWER & LIGHT CO	ST4	402	0.18	13.8	1,245
FL	RIVIERA	FLORIDA POWER & LIGHT CO	2	75	0.24	0.1	6
FL	RIVIERA	FLORIDA POWER & LIGHT CO	3	310	0.07	8.9	299
FL	RIVIERA	FLORIDA POWER & LIGHT CO	4	310	0.07	10.7	390
FL	SANFORD	FLORIDA POWER & LIGHT CO	3	156	0.20	1.5	149
FL	SANFORD	FLORIDA POWER & LIGHT CO	4	436	1.28	0.2	143
FL	SANFORD	FLORIDA POWER & LIGHT CO	5	436	0.96	0.2	107
FL	SEMINOLE	SEMINOLE ELECTRIC COOP INC	1	620	0.49	29.0	7,175
FL	SEMINOLE	SEMINOLE ELECTRIC COOP INC	2	620	0.52	29.6	7,644
FL	SMITH	GULF POWER CO	1	150	1.13	9.8	5,573
FL	SMITH	GULF POWER CO	2	190	1.13	10.0	5,644
FL	SOUTHSIDE	JACKSONVILLE ELECTRIC AUTH	4	75	0.17	1.9	169
FL	SOUTHSIDE	JACKSONVILLE ELECTRIC AUTH	5	157	0.04	3.2	56
FL	SUWANNEE RIVER	FLORIDA POWER CORP	3	75	0.42	0.4	93
FL	TURKEY POINT	FLORIDA POWER & LIGHT CO	ST1	402	0.21	12.0	1,230
FL	TURKEY POINT	FLORIDA POWER & LIGHT CO	ST2	402	0.14	18.2	1,301
GA	ATKINSON	GEORGIA POWER CO	4	75	0.04	0.1	2
GA	BOWEN	GEORGIA POWER CO	1	806	3.02	47.3	71,428
GA	BOWEN	GEORGIA POWER CO	2	789	3.02	42.2	63,727
GA	BOWEN	GEORGIA POWER CO	3	952	3.02	54.6	82,488
GA	BOWEN	GEORGIA POWER CO	4	952	3.02	58.0	87,659
GA	HAMMOND	GEORGIA POWER CO	1	125	2.62	7.5	9,830
GA	HAMMOND	GEORGIA POWER CO	2	125	2.62	7.6	9,997

TABLE 21. (continued)

State	Plant Name	Utility Name	Unit	Capacity (MW)	SO2 Emission Rate (lbs/MMBtu)	Fuel Consumed (10^12 Btu)	SO2 Emissions (tons)
GA	HAMMOND	GEORGIA POWER CO	3	125	2.62	6.9	9,068
GA	HAMMOND	GEORGIA POWER CO	4	578	2.62	27.2	35,539
GA	HARLLEE BRANCH	GEORGIA POWER CO	1	299	2.05	17.7	18,085
GA	HARLLEE BRANCH	GEORGIA POWER CO	2	359	2.05	21.0	21,528
GA	HARLLEE BRANCH	GEORGIA POWER CO	3	544	2.05	30.0	30,759
GA	HARLLEE BRANCH	GEORGIA POWER CO	4	544	2.05	30.1	30,850
GA	JACK MCDONOUGH	GEORGIA POWER CO	1	299	3.96	16.5	32,738
GA	JACK MCDONOUGH	GEORGIA POWER CO	2	299	3.97	17.0	33,749
GA	MCINTOSH	SAVANNAH ELECTRIC & POWER CO	1	163	1.38	9.4	6,491
GA	MCMANUS	GEORGIA POWER CO	2	94	2.45	0.1	109
GA	PORT WENTWORTH	SAVANNAH ELECTRIC & POWER CO	3	104	1.72	5.4	4,669
GA	PORT WENTWORTH	SAVANNAH ELECTRIC & POWER CO	4	126	0.86	0.4	181
GA	SCHERER	GEORGIA POWER CO	1	891	1.07	29.5	15,740
GA	SCHERER	GEORGIA POWER CO	2	891	1.06	32.0	16,966
GA	W MITCHELL	GEORGIA POWER CO	3	163	2.07	11.2	11,619
GA	WANSLEY	GEORGIA POWER CO	1	952	4.59	56.0	128,505
GA	WANSLEY	GEORGIA POWER CO	2	952	4.59	52.3	120,146
GA	YATES	GEORGIA POWER CO	1	123	3.69	6.3	11,673
GA	YATES	GEORGIA POWER CO	2	123	3.69	6.1	11,199
GA	YATES	GEORGIA POWER CO	3	123	3.69	6.1	11,279
GA	YATES	GEORGIA POWER CO	4	156	3.69	7.5	13,758
GA	YATES	GEORGIA POWER CO	5	156	3.69	8.5	15,754
GA	YATES	GEORGIA POWER CO	6	404	3.69	22.9	42,207
GA	YATES	GEORGIA POWER CO	7	404	3.69	13.0	23,974
IA	BURLINGTON	IOWA SOUTHERN UTILITIES CO	1	212	4.83	9.6	23,093
IA	COUNCIL BLUFFS	IOWA POWER & LIGHT CO	2	82	0.74	2.5	928
IA	COUNCIL BLUFFS	IOWA POWER & LIGHT CO	3	726	0.71	38.4	13,624
IA	DES MOINES	IOWA POWER & LIGHT CO	6	75	2.97	0.9	1,395
IA	DES MOINES	IOWA POWER & LIGHT CO	7	114	3.35	1.5	2,541
IA	GEORGE NEAL	IOWA PUBLIC SERVICE CO	1	147	3.56	0.7	1,167
IA	GEORGE NEAL	IOWA PUBLIC SERVICE CO	2	349	1.37	6.9	4,720
IA	GEORGE NEAL	IOWA PUBLIC SERVICE CO	3	550	1.47	13.5	9,866
IA	GEORGE NEAL	IOWA PUBLIC SERVICE CO	4	640	0.68	39.4	13,406
IA	LANSING	INTERSTATE POWER CO	4	275	0.68	11.8	3,999
IA	LOUISA	IOWA-ILLINOIS GAS & ELEC CO	1	738	0.88	18.9	8,289
IA	MILTON L KAPP	INTERSTATE POWER CO	2	218	5.30	11.8	31,379
IA	MUSCATINE	MUSCATINE CITY OF	9	160	0.31	8.0	1,241
IA	OTTUMWA	IOWA SOUTHERN UTILITIES CO	1	726	0.69	30.5	10,479
IA	PRAIRIE CREEK	IOWA ELECTRIC LIGHT & POWER CO	4	149	4.05	6.0	12,240
IA	RIVERSIDE	IOWA-ILLINOIS GAS & ELEC CO	5	136	4.67	2.1	4,854
IA	SUTHERLAND	IOWA ELECTRIC LIGHT & POWER CO	3	82	4.85	3.2	7,828
IL	BALDWIN	ILLINOIS POWER CO	1	623	5.22	34.2	89,277
IL	BALDWIN	ILLINOIS POWER CO	2	635	5.22	30.1	78,477
IL	BALDWIN	ILLINOIS POWER CO	3	635	5.22	37.1	96,840
IL	COFFEEN	CENTRAL ILLINOIS PUB SERV CO	1	365	7.24	10.5	37,933
IL	COFFEEN	CENTRAL ILLINOIS PUB SERV CO	2	600	7.20	28.0	100,949
IL	COLLINS	COMMONWEALTH EDISON CO	1	545	0.67	2.3	769
IL	COLLINS	COMMONWEALTH EDISON CO	2	545	0.67	3.1	1,050
IL	COLLINS	COMMONWEALTH EDISON CO	3	519	0.67	3.2	1,071
IL	COLLINS	COMMONWEALTH EDISON CO	4	521	0.67	3.3	1,124
IL	COLLINS	COMMONWEALTH EDISON CO	5	521	0.67	3.8	1,289
IL	CRAWFORD	COMMONWEALTH EDISON CO	7	239	1.09	4.2	2,266
IL	CRAWFORD	COMMONWEALTH EDISON CO	8	358	0.95	10.3	4,879
IL	DALLMAN	SPRINGFIELD CITY OF	1	90	5.33	2.0	5,287

TABLE 21. (continued)

State	Plant Name	Utility Name	Unit	Capacity (MW)	SO2 Emission Rate (lbs/MMBtu)	Fuel Consumed (10^12 Btu)	SO2 Emissions (tons)
IL	DALLMAN	SPRINGFIELD CITY OF	2	90	5.34	2.7	7,156
IL	DALLMAN	SPRINGFIELD CITY OF	3	207	1.06	9.6	5,082
IL	DUCK CREEK	CENTRAL ILLINOIS LIGHT CO	1	441	1.24	20.0	12,415
IL	E D EDWARDS	CENTRAL ILLINOIS LIGHT CO	1	136	1.78	2.7	2,428
IL	E D EDWARDS	CENTRAL ILLINOIS LIGHT CO	2	280	1.30	7.4	4,797
IL	E D EDWARDS	CENTRAL ILLINOIS LIGHT CO	3	364	1.30	15.9	10,354
IL	FISK	COMMONWEALTH EDISON CO	19	374	1.03	3.7	1,878
IL	GRAND TOWER	CENTRAL ILLINOIS PUB SERV CO	3	86	4.76	0.8	1,950
IL	GRAND TOWER	CENTRAL ILLINOIS PUB SERV CO	4	114	4.85	3.9	9,512
IL	HAVANA	ILLINOIS POWER CO	6	489	0.86	10.8	4,648
IL	HENNEPIN	ILLINOIS POWER CO	1	75	5.21	4.0	10,470
IL	HENNEPIN	ILLINOIS POWER CO	2	231	5.25	15.0	39,436
IL	HUTSONVILLE	CENTRAL ILLINOIS PUB SERV CO	3	75	4.96	3.7	9,206
IL	HUTSONVILLE	CENTRAL ILLINOIS PUB SERV CO	4	75	4.98	4.7	11,576
IL	JOLIET 29	COMMONWEALTH EDISON CO	7	660	1.03	16.8	8,672
IL	JOLIET 29	COMMONWEALTH EDISON CO	8	660	1.11	17.5	9,653
IL	JOLIET 9	COMMONWEALTH EDISON CO	6	360	1.06	8.2	4,357
IL	JOPPA STEAM	ELECTRIC ENERGY INC	1	183	3.34	10.3	17,212
IL	JOPPA STEAM	ELECTRIC ENERGY INC	2	183	3.34	11.6	19,364
IL	JOPPA STEAM	ELECTRIC ENERGY INC	3	183	3.34	11.0	18,288
IL	JOPPA STEAM	ELECTRIC ENERGY INC	4	183	3.34	10.3	17,212
IL	JOPPA STEAM	ELECTRIC ENERGY INC	5	183	3.34	10.3	17,212
IL	JOPPA STEAM	ELECTRIC ENERGY INC	6	183	3.34	11.0	18,288
IL	KINCAID	COMMONWEALTH EDISON CO	1	660	6.42	29.3	94,042
IL	KINCAID	COMMONWEALTH EDISON CO	2	660	6.49	24.6	79,919
IL	MARION	SOUTHERN ILLINOIS POWER COOP	4	211	1.11	11.1	6,148
IL	MEREDOSIA	CENTRAL ILLINOIS PUB SERV CO	3	239	4.60	10.9	25,139
IL	MEREDOSIA	CENTRAL ILLINOIS PUB SERV CO	4	210	0.99	0.1	47
IL	NEWTON	CENTRAL ILLINOIS PUB SERV CO	1	617	1.30	23.5	15,215
IL	NEWTON	CENTRAL ILLINOIS PUB SERV CO	2	617	1.01	17.1	8,644
IL	POWERTON	COMMONWEALTH EDISON CO	5	893	1.04	32.1	16,670
IL	POWERTON	COMMONWEALTH EDISON CO	6	893	1.03	35.9	18,574
IL	VENICE	UNION ELECTRIC CO	5	98	0.00	0.1	0
IL	VENICE	UNION ELECTRIC CO	6	100	0.00	0.1	0
IL	VERMILION	ILLINOIS POWER CO	2	108	4.81	7.7	18,600
IL	WAUKEGAN	COMMONWEALTH EDISON CO	6	121	1.09	2.6	1,423
IL	WAUKEGAN	COMMONWEALTH EDISON CO	7	326	1.01	11.8	5,946
IL	WAUKEGAN	COMMONWEALTH EDISON CO	8	355	0.99	9.4	4,607
IL	WILL COUNTY	COMMONWEALTH EDISON CO	1	188	1.07	5.5	2,938
IL	WILL COUNTY	COMMONWEALTH EDISON CO	2	184	1.09	5.8	3,170
IL	WILL COUNTY	COMMONWEALTH EDISON CO	3	299	1.03	8.6	4,407
IL	WILL COUNTY	COMMONWEALTH EDISON CO	4	598	1.02	9.6	4,868
IL	WOOD RIVER	ILLINOIS POWER CO	4	113	1.20	3.5	2,106
IL	WOOD RIVER	ILLINOIS POWER CO	5	388	1.19	14.4	8,589
IN	A B BROWN	SOUTHERN INDIANA GAS & ELEC CO	1	265	0.85	11.4	4,820
IN	A B BROWN	SOUTHERN INDIANA GAS & ELEC CO	2	265	4.57	1.3	2,884
IN	BAILLY	NORTHERN INDIANA PUB SERV CO	7	194	5.59	9.6	26,867
IN	BAILLY	NORTHERN INDIANA PUB SERV CO	8	422	5.28	4.7	12,309
IN	BREED	INDIANA & MICHIGAN ELECTRIC CO	1	496	7.26	19.4	70,365
IN	CAYUGA	PUBLIC SERVICE CO OF IND INC	1	531	4.50	25.3	56,848
IN	CAYUGA	PUBLIC SERVICE CO OF IND INC	2	531	4.50	30.7	69,254
IN	CLIFTY CREEK	INDIANA-KENTUCKY ELECTRIC CORP	1	217	5.71	16.0	45,657
IN	CLIFTY CREEK	INDIANA-KENTUCKY ELECTRIC CORP	2	217	5.71	15.5	44,229
IN	CLIFTY CREEK	INDIANA-KENTUCKY ELECTRIC CORP	3	217	5.71	16.3	46,478

TABLE 21. (continued)

State	Plant Name	Utility Name	Unit	Capacity (MW)	SO2 Emission Rate (lbs/MMBtu)	Fuel Consumed (10^12 Btu)	SO2 Emissions (tons)
IN	CLIFTY CREEK	INDIANA-KENTUCKY ELECTRIC CORP	4	217	5.71	15.7	44,806
IN	CLIFTY CREEK	INDIANA-KENTUCKY ELECTRIC CORP	5	217	5.71	14.7	41,931
IN	CLIFTY CREEK	INDIANA-KENTUCKY ELECTRIC CORP	6	217	5.71	16.0	45,511
IN	DEAN H MITCHELL	NORTHERN INDIANA PUB SERV CO	11	115	0.10	3.8	187
IN	DEAN H MITCHELL	NORTHERN INDIANA PUB SERV CO	4	138	0.96	2.7	1,295
IN	DEAN H MITCHELL	NORTHERN INDIANA PUB SERV CO	5	138	0.98	4.2	2,038
IN	DEAN H MITCHELL	NORTHERN INDIANA PUB SERV CO	6	138	0.96	4.4	2,102
IN	ELMER W STOUT	INDIANAPOLIS POWER & LIGHT CO	5	114	3.37	3.4	5,665
IN	ELMER W STOUT	INDIANAPOLIS POWER & LIGHT CO	6	114	3.38	4.6	7,743
IN	ELMER W STOUT	INDIANAPOLIS POWER & LIGHT CO	7	471	3.38	20.7	35,007
IN	F B CULLEY	SOUTHERN INDIANA GAS & ELEC CO	2	104	5.68	5.8	16,361
IN	F B CULLEY	SOUTHERN INDIANA GAS & ELEC CO	3	265	5.67	13.6	38,456
IN	FRANK E RATTS	HOOSIER ENERGY R E C INC	1	117	5.45	7.1	19,363
IN	FRANK E RATTS	HOOSIER ENERGY R E C INC	2	117	5.44	6.9	18,670
IN	GIBSON	PUBLIC SERVICE CO OF IND INC	1	668	4.49	31.8	71,467
IN	GIBSON	PUBLIC SERVICE CO OF IND INC	2	668	4.49	34.7	77,864
IN	GIBSON	PUBLIC SERVICE CO OF IND INC	3	668	4.48	30.2	67,787
IN	GIBSON	PUBLIC SERVICE CO OF IND INC	4	668	4.48	34.6	77,551
IN	GIBSON	PUBLIC SERVICE CO OF IND INC	5	668	0.80	24.1	9,596
IN	H T PRITCHARD	INDIANAPOLIS POWER & LIGHT CO	6	114	3.84	4.0	7,744
IN	MEROM	HOOSIER ENERGY R E C INC	1	490	0.80	20.2	8,076
IN	MEROM	HOOSIER ENERGY R E C INC	2	490	0.80	25.3	10,077
IN	MICHIGAN CITY	NORTHERN INDIANA PUB SERV CO	12	540	4.99	18.2	45,422
IN	PETERSBURG	INDIANAPOLIS POWER & LIGHT CO	ST1	253	3.89	11.2	21,765
IN	PETERSBURG	INDIANAPOLIS POWER & LIGHT CO	ST2	471	3.90	27.3	53,110
IN	PETERSBURG	INDIANAPOLIS POWER & LIGHT CO	ST3	574	1.15	30.9	17,712
IN	PETERSBURG	INDIANAPOLIS POWER & LIGHT CO	4	574	3.52	0.9	1,588
IN	R GALLAGHER	PUBLIC SERVICE CO OF IND INC	1	150	5.40	0.7	1,770
IN	R GALLAGHER	PUBLIC SERVICE CO OF IND INC	2	150	5.42	7.1	19,178
IN	R GALLAGHER	PUBLIC SERVICE CO OF IND INC	3	150	5.42	7.7	20,883
IN	R GALLAGHER	PUBLIC SERVICE CO OF IND INC	4	150	5.43	8.1	21,980
IN	R M SCHAHFER	NORTHERN INDIANA PUB SERV CO	14	540	0.95	11.5	5,474
IN	R M SCHAHFER	NORTHERN INDIANA PUB SERV CO	15	556	0.90	15.7	7,097
IN	R M SCHAHFER	NORTHERN INDIANA PUB SERV CO	17	424	0.46	14.0	3,216
IN	R M SCHAHFER	NORTHERN INDIANA PUB SERV CO	18	424	0.00	0.6	0
IN	ROCKPORT (PROJ 2601)	INDIANA & MICHIGAN ELECTRIC CO	1	1300	0.62	73.7	22,827
IN	STATE LINE	COMMONWEALTH EDISON CO IND INC	3	225	0.84	8.3	3,477
IN	STATE LINE	COMMONWEALTH EDISON CO IND INC	4	389	0.87	14.3	6,174
IN	TANNERS CREEK	INDIANA & MICHIGAN ELECTRIC CO	1	153	0.92	4.1	1,904
IN	TANNERS CREEK	INDIANA & MICHIGAN ELECTRIC CO	2	153	0.92	5.0	2,324
IN	TANNERS CREEK	INDIANA & MICHIGAN ELECTRIC CO	3	215	0.92	4.5	2,078
IN	TANNERS CREEK	INDIANA & MICHIGAN ELECTRIC CO	4	580	5.61	21.3	59,646
IN	WABASH RIVER	PUBLIC SERVICE CO OF IND INC	1	113	3.77	3.6	6,713
IN	WABASH RIVER	PUBLIC SERVICE CO OF IND INC	2	113	3.77	3.3	6,308
IN	WABASH RIVER	PUBLIC SERVICE CO OF IND INC	3	123	3.76	3.7	6,889
IN	WABASH RIVER	PUBLIC SERVICE CO OF IND INC	4	113	0.00	0.0	0
IN	WABASH RIVER	PUBLIC SERVICE CO OF IND INC	5	125	3.77	4.3	8,201
IN	WABASH RIVER	PUBLIC SERVICE CO OF IND INC	6	387	3.79	13.9	26,239
IN	WARRICK	SOUTHERN INDIANA GAS & ELEC CO	4	323	5.88	20.0	58,687
KS	ARTHUR MULLERGREN	CENTEL CORP	3	82	0.00	0.0	0
KS	GARDEN CITY	SUNFLOWER ELECTRIC COOP INC	S2	98	0.00	0.0	0
KS	GORDON EVANS	KANSAS GAS & ELECTRIC CO	1	150	<.01	4.0	1
KS	GORDON EVANS	KANSAS GAS & ELECTRIC CO	2	390	<.01	1.7	1
KS	HOLCOMB	SUNFLOWER ELECTRIC COOP INC	1	319	0.27	16.1	2,174

TABLE 21. (continued)

State	Plant Name	Utility Name	Unit	Capacity (MW)	SO2 Emission Rate (lbs/MMBtu)	Fuel Consumed (10^12 Btu)	SO2 Emissions (tons)
KS	HUTCHINSON	KANSAS POWER & LIGHT CO	ST4	172	0.00	0.5	0
KS	JEFFREY ENERGY CENTR	KANSAS POWER & LIGHT CO	1	720	0.29	35.2	5,083
KS	JEFFREY ENERGY CENTR	KANSAS POWER & LIGHT CO	2	720	0.29	42.6	6,146
KS	JEFFREY ENERGY CENTR	KANSAS POWER & LIGHT CO	3	720	0.29	46.6	6,722
KS	JUDSON LARGE	CENTEL CORP	4	149	<.01	1.6	1
KS	LA CYGNE	KANSAS CITY POWER & LIGHT CO	1	893	1.72	27.3	23,402
KS	LA CYGNE	KANSAS CITY POWER & LIGHT CO	2	685	0.70	33.0	11,518
KS	LAWRENCE	KANSAS POWER & LIGHT CO	4	114	0.29	3.1	443
KS	LAWRENCE	KANSAS POWER & LIGHT CO	5	403	0.55	12.1	3,306
KS	MURRAY GILL	KANSAS GAS & ELECTRIC CO	2	75	0.00	0.2	0
KS	MURRAY GILL	KANSAS GAS & ELECTRIC CO	3	114	<.01	2.2	1
KS	MURRAY GILL	KANSAS GAS & ELECTRIC CO	4	114	0.00	3.0	0
KS	NEARMAN CREEK	KANSAS CITY CITY OF	1	262	0.66	14.7	4,827
KS	QUINDARO	KANSAS CITY CITY OF	ST1	77	4.63	3.7	8,469
KS	QUINDARO	KANSAS CITY CITY OF	ST2	145	4.63	2.4	5,646
KS	TECUMSEH	KANSAS POWER & LIGHT CO	7	82	1.08	1.6	885
KS	TECUMSEH	KANSAS POWER & LIGHT CO	8	150	1.04	3.0	1,551
KY	BIG SANDY	KENTUCKY POWER CO	1	281	2.03	11.4	11,629
KY	BIG SANDY	KENTUCKY POWER CO	2	816	1.98	30.2	29,920
KY	CANE RUN	LOUISVILLE GAS & ELECTRIC CO	3	147	0.00	0.3	0
KY	CANE RUN	LOUISVILLE GAS & ELECTRIC CO	4	163	1.20	5.1	3,052
KY	CANE RUN	LOUISVILLE GAS & ELECTRIC CO	5	209	1.47	8.0	5,872
KY	CANE RUN	LOUISVILLE GAS & ELECTRIC CO	6	272	1.05	6.5	3,420
KY	COLEMAN	BIG RIVERS ELECTRIC CORP	1	174	3.85	9.6	18,541
KY	COLEMAN	BIG RIVERS ELECTRIC CORP	2	174	3.83	10.4	19,865
KY	COLEMAN	BIG RIVERS ELECTRIC CORP	3	173	3.83	9.9	19,019
KY	COOPER	EAST KENTUCKY POWER COOP INC	1	100	3.09	6.3	9,794
KY	COOPER	EAST KENTUCKY POWER COOP INC	2	221	3.09	10.8	16,717
KY	D B WILSON	BIG RIVERS ELECTRIC CORP	1	500	0.55	20.8	5,711
KY	E W BROWN	KENTUCKY UTILITIES CO	1	114	3.20	3.9	6,242
KY	E W BROWN	KENTUCKY UTILITIES CO	2	180	3.20	6.3	10,029
KY	E W BROWN	KENTUCKY UTILITIES CO	3	447	3.20	24.1	38,577
KY	EAST BEND	CINCINNATI GAS & ELECTRIC CO	2	669	1.03	43.3	22,283
KY	ELMER SMITH	OWENSBORO CITY OF	1	151	5.12	4.0	10,347
KY	ELMER SMITH	OWENSBORO CITY OF	2	265	5.12	10.4	26,626
KY	GHENT	KENTUCKY UTILITIES CO	1	557	5.44	26.1	71,102
KY	GHENT	KENTUCKY UTILITIES CO	2	556	1.08	13.0	7,037
KY	GHENT	KENTUCKY UTILITIES CO	3	557	1.08	13.8	7,467
KY	GHENT	KENTUCKY UTILITIES CO	4	556	1.12	15.5	8,730
KY	GREEN RIVER	KENTUCKY UTILITIES CO	3	75	3.58	4.8	8,601
KY	GREEN RIVER	KENTUCKY UTILITIES CO	4	114	3.58	7.2	12,939
KY	H L SPURLOCK	EAST KENTUCKY POWER COOP INC	1	305	2.54	17.1	21,706
KY	H L SPURLOCK	EAST KENTUCKY POWER COOP INC	2	508	0.13	26.6	1,794
KY	HENDERSON STATION II	BIG RIVERS ELECTRIC CORP	1	180	4.14	10.7	22,041
KY	HENDERSON STATION II	BIG RIVERS ELECTRIC CORP	2	185	4.14	11.0	22,831
KY	MILL CREEK	LOUISVILLE GAS & ELECTRIC CO	1	356	2.86	11.0	15,723
KY	MILL CREEK	LOUISVILLE GAS & ELECTRIC CO	2	356	3.09	13.7	21,239
KY	MILL CREEK	LOUISVILLE GAS & ELECTRIC CO	3	463	4.73	14.4	33,980
KY	MILL CREEK	LOUISVILLE GAS & ELECTRIC CO	4	544	4.04	23.7	47,842
KY	PARADISE	TENNESSEE VALLEY AUTHORITY	1	704	0.61	15.6	4,750
KY	PARADISE	TENNESSEE VALLEY AUTHORITY	2	704	0.63	31.3	9,832
KY	PARADISE	TENNESSEE VALLEY AUTHORITY	3	1150	4.79	44.7	107,037
KY	R D GREEN	BIG RIVERS ELECTRIC CORP	1	264	0.61	16.8	5,162
KY	R D GREEN	BIG RIVERS ELECTRIC CORP	2	264	0.77	17.6	6,721

TABLE 21. (continued)

State	Plant Name	Utility Name	Unit	Capacity (MW)	SO2 Emission Rate (lbs/MMBtu)	Fuel Consumed (10^12 Btu)	SO2 Emissions (tons)
KY	ROBERT REID	BIG RIVERS ELECTRIC CORP	1	82	4.17	2.9	6,123
KY	SHAWNEE	TENNESSEE VALLEY AUTHORITY	1	175	0.94	4.5	2,100
KY	SHAWNEE	TENNESSEE VALLEY AUTHORITY	10	175	5.76	11.4	32,899
KY	SHAWNEE	TENNESSEE VALLEY AUTHORITY	2	175	1.09	5.3	2,900
KY	SHAWNEE	TENNESSEE VALLEY AUTHORITY	3	175	1.09	5.5	3,010
KY	SHAWNEE	TENNESSEE VALLEY AUTHORITY	4	175	0.94	6.0	2,817
KY	SHAWNEE	TENNESSEE VALLEY AUTHORITY	5	175	1.09	3.6	1,954
KY	SHAWNEE	TENNESSEE VALLEY AUTHORITY	6	175	1.09	4.5	2,433
KY	SHAWNEE	TENNESSEE VALLEY AUTHORITY	7	175	1.09	6.5	3,536
KY	SHAWNEE	TENNESSEE VALLEY AUTHORITY	8	175	1.09	6.0	3,296
KY	SHAWNEE	TENNESSEE VALLEY AUTHORITY	9	175	0.97	5.6	2,729
KY	TYRONE	KENTUCKY UTILITIES CO	3	75	1.48	1.0	726
LA	A B PATERSON	NEW ORLEANS PUBLIC SERVICE INC	4	81	0.00	0.5	0
LA	ARSENAL HILL	SOUTHWESTERN ELECTRIC POWER CO	5	125	<.01	2.8	1
LA	BIG CAJUN 1	CAJUN ELECTRIC POWER COOP INC	1	115	0.01	1.1	6
LA	BIG CAJUN 1	CAJUN ELECTRIC POWER COOP INC	2	115	0.01	1.0	7
LA	BIG CAJUN 2	CAJUN ELECTRIC POWER COOP INC	1	559	0.96	28.7	13,735
LA	BIG CAJUN 2	CAJUN ELECTRIC POWER COOP INC	2	559	0.96	27.5	13,197
LA	BIG CAJUN 2	CAJUN ELECTRIC POWER COOP INC	3	560	0.96	30.3	14,520
LA	COUGHLIN	CENTRAL LOUISIANA ELEC CO INC	6	125	<.01	3.5	1
LA	COUGHLIN	CENTRAL LOUISIANA ELEC CO INC	7	243	<.01	9.5	2
LA	D G HUNTER	ALEXANDRIA CITY OF	4	85	<.01	1.8	1
LA	DOC BONIN	LAFAYETTE CITY OF	2	90	0.00	4.5	0
LA	DOC BONIN	LAFAYETTE CITY OF	3	187	0.00	1.7	0
LA	DOLET HILLS	CENTRAL LOUISIANA ELEC CO INC	1	721	0.20	0.2	16
LA	LIEBERMAN	SOUTHWESTERN ELECTRIC POWER CO	3	114	0.10	5.4	273
LA	LIEBERMAN	SOUTHWESTERN ELECTRIC POWER CO	4	114	0.00	3.9	0
LA	LITTLE GYPSY	LOUISIANA POWER & LIGHT CO	1	248	<.01	9.2	5
LA	LITTLE GYPSY	LOUISIANA POWER & LIGHT CO	2	421	<.01	14.0	12
LA	LITTLE GYPSY	LOUISIANA POWER & LIGHT CO	3	582	<.01	20.4	13
LA	LOUISIANA NO 1	GULF STATES UTILITIES CO	2	77	0.01	4.9	16
LA	LOUISIANA NO 2	GULF STATES UTILITIES CO	9	75	0.00	0.0	0
LA	MICHOUD	NEW ORLEANS PUBLIC SERVICE INC	1	115	<.01	3.6	1
LA	MICHOUD	NEW ORLEANS PUBLIC SERVICE INC	2	262	<.01	5.3	2
LA	MICHOUD	NEW ORLEANS PUBLIC SERVICE INC	3	582	0.01	19.9	56
LA	MONROE	LOUISIANA POWER & LIGHT CO	12	75	0.01	2.1	11
LA	NINEMILE POINT	LOUISIANA POWER & LIGHT CO	2	113	0.01	4.6	15
LA	NINEMILE POINT	LOUISIANA POWER & LIGHT CO	3	170	0.01	3.6	16
LA	NINEMILE POINT	LOUISIANA POWER & LIGHT CO	4	783	<.01	25.1	18
LA	NINEMILE POINT	LOUISIANA POWER & LIGHT CO	5	783	<.01	33.8	19
LA	R S NELSON	GULF STATES UTILITIES CO	1	114	0.00	1.3	0
LA	R S NELSON	GULF STATES UTILITIES CO	2	114	0.00	1.5	0
LA	R S NELSON	GULF STATES UTILITIES CO	3	163	<.01	1.8	1
LA	R S NELSON	GULF STATES UTILITIES CO	4	592	<.01	5.3	2
LA	R S NELSON	GULF STATES UTILITIES CO	6	615	0.93	41.3	19,250
LA	RODEMACHER	CENTRAL LOUISIANA ELEC CO INC	1	446	<.01	12.7	4
LA	RODEMACHER	CENTRAL LOUISIANA ELEC CO INC	2	558	0.90	33.2	15,010
LA	STERLINGTON	LOUISIANA POWER & LIGHT CO	6	248	0.02	3.1	25
LA	TECHE	CENTRAL LOUISIANA ELEC CO INC	3	349	0.01	1.9	5
LA	WATERFORD 1 & 2	LOUISIANA POWER & LIGHT CO	1	446	<.01	14.4	16
LA	WATERFORD 1 & 2	LOUISIANA POWER & LIGHT CO	2	446	0.01	11.1	52
LA	WILLOW GLEN	GULF STATES UTILITIES CO	1	163	<.01	4.6	1
LA	WILLOW GLEN	GULF STATES UTILITIES CO	2	239	0.00	1.2	0
LA	WILLOW GLEN	GULF STATES UTILITIES CO	3	592	<.01	4.4	1

TABLE 21. (continued)

State	Plant Name	Utility Name	Unit	Capacity (MW)	SO2 Emission Rate (lbs/MMBtu)	Fuel Consumed (10^12 Btu)	SO2 Emissions (tons)
LA	WILLOW GLEN	GULF STATES UTILITIES CO	4	592	<.01	13.2	4
LA	WILLOW GLEN	GULF STATES UTILITIES CO	5	592	<.01	19.8	6
MA	BRAYTON POINT	NEW ENGLAND POWER CO	1	247	1.87	17.3	16,128
MA	BRAYTON POINT	NEW ENGLAND POWER CO	2	253	1.87	15.6	14,601
MA	BRAYTON POINT	NEW ENGLAND POWER CO	3	642	1.86	21.3	19,837
MA	BRAYTON POINT	NEW ENGLAND POWER CO	4	476	1.92	22.0	21,103
MA	CANAL	CANAL ELECTRIC CO	1	543	2.35	29.5	34,568
MA	CANAL	CANAL ELECTRIC CO	2	530	2.34	29.4	34,481
MA	MOUNT TOM	HOLYOKE WATER POWER CO	1	147	2.14	9.2	9,805
MA	MYSTIC	BOSTON EDISON CO	4	136	1.05	3.4	1,793
MA	MYSTIC	BOSTON EDISON CO	5	135	1.05	4.2	2,231
MA	MYSTIC	BOSTON EDISON CO	6	144	1.05	3.7	1,962
MA	MYSTIC	BOSTON EDISON CO	7	617	1.09	29.2	15,970
MA	NEW BOSTON	BOSTON EDISON CO	1	380	0.42	20.8	4,341
MA	NEW BOSTON	BOSTON EDISON CO	2	380	0.64	13.5	4,337
MA	SALEM HARBOR	NEW ENGLAND POWER CO	1	84	2.06	6.4	6,623
MA	SALEM HARBOR	NEW ENGLAND POWER CO	2	83	2.06	6.5	6,708
MA	SALEM HARBOR	NEW ENGLAND POWER CO	3	151	2.06	11.1	11,421
MA	SALEM HARBOR	NEW ENGLAND POWER CO	4	476	2.09	20.8	21,650
MA	SOMERSET	MONTAUP ELECTRIC CO	6	119	0.09	0.1	3
MA	WEST SPRINGFIELD	WESTERN MASSACHUSETTS ELEC CO	3	114	0.97	5.7	2,775
MD	BRANDON SHORES	BALTIMORE GAS & ELECTRIC CO	1	685	0.82	24.5	10,000
MD	C P CRANE	BALTIMORE GAS & ELECTRIC CO	1	192	3.10	6.3	9,722
MD	C P CRANE	BALTIMORE GAS & ELECTRIC CO	2	192	3.10	6.2	9,657
MD	CHALK POINT	POTOMAC ELECTRIC POWER CO	ST1	364	2.50	16.2	20,258
MD	CHALK POINT	POTOMAC ELECTRIC POWER CO	ST2	364	2.54	21.6	27,482
MD	CHALK POINT	POTOMAC ELECTRIC POWER CO	3	659	1.83	9.7	8,907
MD	CHALK POINT	POTOMAC ELECTRIC POWER CO	4	659	0.69	8.6	2,949
MD	DICKERSON	POTOMAC ELECTRIC POWER CO	ST1	196	2.14	10.7	11,448
MD	DICKERSON	POTOMAC ELECTRIC POWER CO	2	196	2.19	9.9	10,786
MD	DICKERSON	POTOMAC ELECTRIC POWER CO	3	196	2.16	10.9	11,745
MD	GOULD STREET	BALTIMORE GAS & ELECTRIC CO	3	78	1.03	1.1	549
MD	HERBERT A WAGNER	BALTIMORE GAS & ELECTRIC CO	1	133	1.04	2.4	1,220
MD	HERBERT A WAGNER	BALTIMORE GAS & ELECTRIC CO	2	136	1.04	2.4	1,220
MD	HERBERT A WAGNER	BALTIMORE GAS & ELECTRIC CO	3	359	1.41	14.1	9,938
MD	HERBERT A WAGNER	BALTIMORE GAS & ELECTRIC CO	4	415	1.04	2.4	1,220
MD	MORGANTOWN	POTOMAC ELECTRIC POWER CO	ST1	626	2.66	22.1	29,388
MD	MORGANTOWN	POTOMAC ELECTRIC POWER CO	ST2	626	2.63	28.9	37,988
MD	R P SMITH	POTOMAC EDISON CO	4	75	1.51	4.0	3,001
MD	RIVERSIDE	BALTIMORE GAS & ELECTRIC CO	5	81	0.91	0.6	262
MD	VIENNA	DELMARVA POWER & LIGHT CO	8	162	1.66	2.2	1,781
ME	WILLIAM F. WYMAN	CENTRAL MAINE POWER CO	3	114	1.57	4.5	3,499
ME	WILLIAM F. WYMAN	CENTRAL MAINE POWER CO	4	632	0.68	15.3	5,227
MI	B C COBB	CONSUMERS POWER CO	4	156	1.36	2.9	1,987
MI	B C COBB	CONSUMERS POWER CO	5	156	1.37	7.3	4,954
MI	BELLE RIVER	DETROIT EDISON CO	ST1	698	0.55	24.5	6,749
MI	BELLE RIVER	DETROIT EDISON CO	ST2	698	0.55	33.3	9,138
MI	CONNERS CREEK	DETROIT EDISON CO	15	135	0.00	0.0	0
MI	CONNERS CREEK	DETROIT EDISON CO	16	135	1.06	0.8	432
MI	DAN E KARN	CONSUMERS POWER CO	1	265	1.23	18.2	11,179
MI	DAN E KARN	CONSUMERS POWER CO	2	265	1.23	17.0	10,464
MI	DAN E KARN	CONSUMERS POWER CO	3	605	0.54	0.7	182
MI	DAN E KARN	CONSUMERS POWER CO	4	626	0.54	0.2	51
MI	DELRAY	DETROIT EDISON CO	15	75	<.01	0.4	1

TABLE 21. (continued)

State	Plant Name	Utility Name	Unit	Capacity (MW)	SO2 Emission Rate (lbs/MMBtu)	Fuel Consumed (10^12 Btu)	SO2 Emissions (tons)
MI	ECKERT STATION	LANSING CITY OF	4	80	1.14	1.6	902
MI	ECKERT STATION	LANSING CITY OF	5	80	1.17	4.1	2,399
MI	ECKERT STATION	LANSING CITY OF	6	80	1.18	3.5	2,096
MI	ERICKSON	LANSING CITY OF	1	155	1.15	10.5	6,075
MI	GREENWOOD	DETROIT EDISON CO	1	815	0.30	0.0	1
MI	HARBOR BEACH	DETROIT EDISON CO	1	121	0.72	1.6	569
MI	J B SIMS	GRAND HAVEN CITY OF	3	85	0.08	3.7	153
MI	J C WEADOCK	CONSUMERS POWER CO	7	156	1.32	9.7	6,365
MI	J C WEADOCK	CONSUMERS POWER CO	8	156	1.32	8.7	5,748
MI	J H CAMPBELL	CONSUMERS POWER CO	1	265	3.01	20.0	30,194
MI	J H CAMPBELL	CONSUMERS POWER CO	2	385	3.01	21.4	32,163
MI	J H CAMPBELL	CONSUMERS POWER CO	3	770	1.03	46.2	23,867
MI	J R WHITING	CONSUMERS POWER CO	1	100	1.29	5.6	3,627
MI	J R WHITING	CONSUMERS POWER CO	2	100	1.29	7.1	4,555
MI	J R WHITING	CONSUMERS POWER CO	3	125	1.29	7.2	4,639
MI	MARYSVILLE	DETROIT EDISON CO	7	75	1.27	0.8	493
MI	MARYSVILLE	DETROIT EDISON CO	8	75	1.27	0.7	452
MI	MONROE	DETROIT EDISON CO	1	817	1.32	48.6	32,041
MI	MONROE	DETROIT EDISON CO	2	823	1.33	47.1	31,322
MI	MONROE	DETROIT EDISON CO	3	823	1.33	53.9	35,870
MI	MONROE	DETROIT EDISON CO	4	817	1.35	44.2	29,739
MI	PRESQUE ISLE	UPPER PENINSULA POWER CO	5	90	1.28	5.9	3,783
MI	PRESQUE ISLE	UPPER PENINSULA POWER CO	6	90	1.27	5.6	3,551
MI	PRESQUE ISLE	UPPER PENINSULA POWER CO	7	90	1.49	2.7	2,011
MI	PRESQUE ISLE	UPPER PENINSULA POWER CO	8	90	1.49	4.7	3,492
MI	PRESQUE ISLE	UPPER PENINSULA POWER CO	9	90	1.48	3.0	2,254
MI	RIVER ROUGE	DETROIT EDISON CO	1	283	0.40	0.1	18
MI	RIVER ROUGE	DETROIT EDISON CO	2	293	1.16	11.3	6,549
MI	RIVER ROUGE	DETROIT EDISON CO	3	358	1.19	5.4	3,234
MI	ST CLAIR	DETROIT EDISON CO	1	169	0.85	7.6	3,224
MI	ST CLAIR	DETROIT EDISON CO	2	156	0.83	6.1	2,539
MI	ST CLAIR	DETROIT EDISON CO	3	156	0.85	8.3	3,514
MI	ST CLAIR	DETROIT EDISON CO	4	527	0.83	6.4	2,661
MI	ST CLAIR	DETROIT EDISON CO	6	353	0.92	13.5	6,189
MI	ST CLAIR	DETROIT EDISON CO	7	545	1.62	20.1	16,233
MI	TRENTON CHANNEL	DETROIT EDISON CO	7	120	1.16	4.8	2,801
MI	TRENTON CHANNEL	DETROIT EDISON CO	8	120	1.16	4.6	2,691
MI	TRENTON CHANNEL	DETROIT EDISON CO	9	536	1.20	26.6	15,898
MN	ALLEN S KING	NORTHERN STATES POWER CO	1	598	2.13	26.4	28,100
MN	BLACK DOG	NORTHERN STATES POWER CO	1	81	1.60	0.2	200
MN	BLACK DOG	NORTHERN STATES POWER CO	2	100	0.00	0.0	0
MN	BLACK DOG	NORTHERN STATES POWER CO	3	102	2.26	1.3	1,510
MN	BLACK DOG	NORTHERN STATES POWER CO	4	162	2.40	4.3	5,170
MN	CLAY BOSWELL	MINNESOTA POWER & LIGHT CO	1	75	1.95	2.4	2,383
MN	CLAY BOSWELL	MINNESOTA POWER & LIGHT CO	2	75	1.95	1.9	1,884
MN	CLAY BOSWELL	MINNESOTA POWER & LIGHT CO	3	365	1.15	16.2	9,312
MN	CLAY BOSWELL	MINNESOTA POWER & LIGHT CO	4	558	0.51	34.3	8,722
MN	FOX LAKE	INTERSTATE POWER CO	3	82	2.41	1.6	1,982
MN	HIGH BRIDGE	NORTHERN STATES POWER CO	5	114	2.36	1.0	1,191
MN	HIGH BRIDGE	NORTHERN STATES POWER CO	6	163	2.82	1.5	2,176
MN	HOOT LAKE	OTTER TAIL POWER CO	3	75	1.93	3.6	3,466
MN	RIVERSIDE	NORTHERN STATES POWER CO	6	75	0.59	0.6	177
MN	RIVERSIDE	NORTHERN STATES POWER CO	8	239	2.15	5.0	5,332
MN	SHERBURNE COUNTY	NORTHERN STATES POWER CO	1	720	0.44	41.9	9,324

TABLE 21. (continued)

State	Plant Name	Utility Name	Unit	Capacity (MW)	SO2 Emission Rate (lbs/MMBtu)	Fuel Consumed (10^12 Btu)	SO2 Emissions (tons)
MN	SHERBURNE COUNTY	NORTHERN STATES POWER CO	2	720	0.44	48.0	10,673
MO	ASBURY	EMPIRE DISTRICT ELECTRIC CO	1	213	8.21	13.5	55,241
MO	HAWTHORN	KANSAS CITY POWER & LIGHT CO	5	515	2.42	21.3	25,719
MO	IATAN	KANSAS CITY POWER & LIGHT CO	1	726	0.66	43.5	14,358
MO	JAMES RIVER	SPRINGFIELD CITY OF	5	105	5.61	3.2	9,031
MO	LABADIE	UNION ELECTRIC CO	1	621	4.32	33.3	71,908
MO	LABADIE	UNION ELECTRIC CO	2	621	4.42	28.4	62,848
MO	LABADIE	UNION ELECTRIC CO	3	621	4.43	30.1	66,645
MO	LABADIE	UNION ELECTRIC CO	4	621	4.41	29.4	64,789
MO	LAKE ROAD	ST JOSEPH LIGHT & POWER CO	4	90	5.50	1.1	2,900
MO	MERAMEC	UNION ELECTRIC CO	1	138	1.32	2.9	1,908
MO	MERAMEC	UNION ELECTRIC CO	2	138	1.32	2.7	1,755
MO	MERAMEC	UNION ELECTRIC CO	3	289	1.32	4.3	2,862
MO	MERAMEC	UNION ELECTRIC CO	4	359	1.32	5.3	3,514
MO	MONTROSE	KANSAS CITY POWER & LIGHT CO	1	188	8.63	6.7	28,740
MO	MONTROSE	KANSAS CITY POWER & LIGHT CO	2	188	8.41	7.6	32,165
MO	MONTROSE	KANSAS CITY POWER & LIGHT CO	3	188	8.48	8.3	35,192
MO	NEW MADRID	ASSOCIATED ELECTRIC COOP INC	1	600	5.93	25.1	74,430
MO	NEW MADRID	ASSOCIATED ELECTRIC COOP INC	2	600	6.02	25.9	77,895
MO	RUSH ISLAND	UNION ELECTRIC CO	1	621	2.08	26.0	27,010
MO	RUSH ISLAND	UNION ELECTRIC CO	2	621	2.08	31.5	32,763
MO	SIBLEY	MISSOURI PUBLIC SERVICE CO	3	419	5.65	9.5	26,892
MO	SIKESTON	SIKESTON CITY OF	1	235	1.07	6.2	3,327
MO	SIOUX	UNION ELECTRIC CO	1	550	4.40	18.0	39,634
MO	SIOUX	UNION ELECTRIC CO	2	550	4.56	6.1	13,825
MO	SOUTHWEST	SPRINGFIELD CITY OF	ST1	194	1.10	7.5	4,102
MO	THOMAS HILL	ASSOCIATED ELECTRIC COOP INC	1	180	7.55	9.5	35,874
MO	THOMAS HILL	ASSOCIATED ELECTRIC COOP INC	2	285	7.54	15.1	56,866
MO	THOMAS HILL	ASSOCIATED ELECTRIC COOP INC	3	670	1.64	33.6	27,600
MS	BAXTER WILSON	MISSISSIPPI POWER & LIGHT CO	1	537	0.01	19.0	84
MS	BAXTER WILSON	MISSISSIPPI POWER & LIGHT CO	2	783	0.02	12.6	131
MS	DELTA	MISSISSIPPI POWER & LIGHT CO	1	90	0.11	0.8	43
MS	DELTA	MISSISSIPPI POWER & LIGHT CO	2	90	0.08	0.9	35
MS	GERALD ANDRUS	MISSISSIPPI POWER & LIGHT CO	1	781	0.07	7.7	273
MS	JACK WATSON	MISSISSIPPI POWER CO	1	75	0.03	0.2	3
MS	JACK WATSON	MISSISSIPPI POWER CO	2	75	0.03	0.2	3
MS	JACK WATSON	MISSISSIPPI POWER CO	3	112	0.04	0.2	4
MS	JACK WATSON	MISSISSIPPI POWER CO	4	250	3.47	15.4	26,647
MS	JACK WATSON	MISSISSIPPI POWER CO	5	500	3.29	28.7	47,093
MS	R D MORROW	SOUTH MISSISSIPPI EL PWR ASSN	1	204	0.99	9.1	4,483
MS	R D MORROW	SOUTH MISSISSIPPI EL PWR ASSN	2	204	0.94	12.3	5,757
MS	REX BROWN	MISSISSIPPI POWER & LIGHT CO	4	220	<.01	3.0	1
MS	VICTOR J DANIEL JR	MISSISSIPPI POWER CO	1	500	0.90	15.9	7,163
MS	VICTOR J DANIEL JR	MISSISSIPPI POWER CO	2	500	0.90	22.2	9,949
MT	COLSTRIP	MONTANA POWER CO	1	358	0.29	23.4	3,408
MT	COLSTRIP	MONTANA POWER CO	2	358	0.27	24.9	3,320
MT	COLSTRIP	MONTANA POWER CO	3	778	0.08	33.5	1,383
MT	J E CORETTE	MONTANA POWER CO	1	191	1.55	8.7	6,759
NC	ASHEVILLE	CAROLINA POWER & LIGHT CO	1	207	1.37	12.6	8,598
NC	ASHEVILLE	CAROLINA POWER & LIGHT CO	2	207	1.40	8.1	5,648
NC	BELEWS CREEK	DUKE POWER CO	1	1080	1.56	39.5	30,751
NC	BELEWS CREEK	DUKE POWER CO	2	1080	1.56	64.5	50,258
NC	BUCK	DUKE POWER CO	3	80	0.00	0.0	0
NC	BUCK	DUKE POWER CO	5	125	1.56	2.0	1,546

TABLE 21. (continued)

State	Plant Name	Utility Name	Unit	Capacity (MW)	SO2 Emission Rate (lbs/MMBtu)	Fuel Consumed (10^12 Btu)	SO2 Emissions (tons)
NC	BUCK	DUKE POWER CO	6	125	1.56	4.1	3,208
NC	CAPE FEAR	CAROLINA POWER & LIGHT CO	5	141	1.74	4.6	3,992
NC	CAPE FEAR	CAROLINA POWER & LIGHT CO	6	188	1.64	5.1	4,210
NC	CLIFFSIDE	DUKE POWER CO	5	571	1.86	19.1	17,802
NC	DAN RIVER	DUKE POWER CO	3	150	1.61	3.4	2,704
NC	G G ALLEN	DUKE POWER CO	1	165	1.38	0.2	119
NC	G G ALLEN	DUKE POWER CO	2	165	1.37	0.2	134
NC	G G ALLEN	DUKE POWER CO	3	275	1.39	6.8	4,699
NC	G G ALLEN	DUKE POWER CO	4	275	1.40	7.6	5,284
NC	G G ALLEN	DUKE POWER CO	5	275	1.40	7.4	5,210
NC	L V SUTTON	CAROLINA POWER & LIGHT CO	1	113	1.50	1.1	834
NC	L V SUTTON	CAROLINA POWER & LIGHT CO	2	113	1.49	2.2	1,675
NC	L V SUTTON	CAROLINA POWER & LIGHT CO	3	447	1.51	9.3	7,028
NC	LEE	CAROLINA POWER & LIGHT CO	1	75	1.72	0.8	722
NC	LEE	CAROLINA POWER & LIGHT CO	2	75	1.71	1.4	1,166
NC	LEE	CAROLINA POWER & LIGHT CO	3	252	1.67	9.1	7,610
NC	MARSHALL	DUKE POWER CO	1	350	1.40	12.8	9,003
NC	MARSHALL	DUKE POWER CO	2	350	1.40	16.5	11,574
NC	MARSHALL	DUKE POWER CO	3	648	1.40	27.3	19,179
NC	MARSHALL	DUKE POWER CO	4	648	1.40	26.2	18,417
NC	MAYO	CAROLINA POWER & LIGHT CO	1	736	1.03	48.2	24,814
NC	RIVERBEND	DUKE POWER CO	4	100	1.63	3.7	3,003
NC	RIVERBEND	DUKE POWER CO	5	100	1.62	2.3	1,909
NC	RIVERBEND	DUKE POWER CO	6	133	1.63	2.0	1,599
NC	RIVERBEND	DUKE POWER CO	7	133	1.63	1.9	1,580
NC	ROXBORO	CAROLINA POWER & LIGHT CO	1	411	1.33	21.6	14,395
NC	ROXBORO	CAROLINA POWER & LIGHT CO	2	657	1.26	38.4	24,204
NC	ROXBORO	CAROLINA POWER & LIGHT CO	3	745	1.38	39.0	26,934
NC	ROXBORO	CAROLINA POWER & LIGHT CO	4	745	1.01	41.2	20,724
ND	ANTELOPE VALLEY	BASIN ELECTRIC POWER COOP	1	438	0.54	27.2	7,400
ND	ANTELOPE VALLEY	BASIN ELECTRIC POWER COOP	2	438	0.96	3.9	1,900
ND	COAL CREEK	COOPERATIVE POWER ASSN	1	506	1.05	38.6	20,246
ND	COAL CREEK	COOPERATIVE POWER ASSN	2	506	1.05	34.5	18,048
ND	COYOTE	MONTANA-DAKOTA UTILITIES CO	1	450	1.16	27.5	16,020
ND	LELAND OLDS	BASIN ELECTRIC POWER COOP	1	216	1.99	6.1	6,100
ND	LELAND OLDS	BASIN ELECTRIC POWER COOP	2	440	2.08	27.2	28,286
ND	MILTON R YOUNG	MINNKOTA POWER COOP INC	1	257	1.60	18.2	14,481
ND	MILTON R YOUNG	MINNKOTA POWER COOP INC	2	477	1.04	29.3	15,173
ND	R M HESKETT	MONTANA-DAKOTA UTILITIES CO	2	75	1.88	4.5	4,266
ND	STANTON	UNITED POWER ASSN	1	172	1.28	15.9	10,193
NE	CANADAY	CENTRAL NEBRASKA PUB P&I DIST	1	109	0.00	0.3	0
NE	FREMONT NO 2	FREMONT CITY OF	8	91	0.88	2.8	1,216
NE	GERALD GENTLEMAN STA	NEBRASKA PUBLIC POWER DISTRICT	1	681	0.72	21.6	7,798
NE	GERALD GENTLEMAN STA	NEBRASKA PUBLIC POWER DISTRICT	2	628	0.68	32.4	11,014
NE	HASTINGS ENERGY CTR	HASTINGS CITY OF	1	76	0.90	2.3	1,025
NE	NEBRASKA CITY	OMAHA PUBLIC POWER DISTRICT	1	616	0.92	24.9	11,444
NE	NORTH OMAHA	OMAHA PUBLIC POWER DISTRICT	2	109	1.16	3.0	1,743
NE	NORTH OMAHA	OMAHA PUBLIC POWER DISTRICT	3	109	1.13	3.0	1,688
NE	NORTH OMAHA	OMAHA PUBLIC POWER DISTRICT	4	136	1.11	5.1	2,822
NE	NORTH OMAHA	OMAHA PUBLIC POWER DISTRICT	5	218	1.28	3.8	2,421
NE	PLATTE	GRAND ISLAND UTILITIES	1	110	0.98	3.1	1,521
NE	SHELDON STATION	NEBRASKA PUBLIC POWER DISTRICT	1	109	1.24	1.7	1,069
NE	SHELDON STATION	NEBRASKA PUBLIC POWER DISTRICT	2	120	1.24	1.3	823
NH	MERRIMACK	PUBLIC SERVICE CO OF NH	1	114	3.29	8.6	14,108

TABLE 21. (continued)

State	Plant Name	Utility Name	Unit	Capacity (MW)	SO2 Emission Rate (lbs/MMBtu)	Fuel Consumed (10^12 Btu)	SO2 Emissions (tons)
NH	MERRIMACK	PUBLIC SERVICE CO OF NH	2	346	3.69	21.9	40,364
NH	NEWINGTON	PUBLIC SERVICE CO OF NH	1	414	1.91	14.3	13,607
NJ	B L ENGLAND	ATLANTIC CITY ELECTRIC CO	1	136	4.64	7.2	16,749
NJ	B L ENGLAND	ATLANTIC CITY ELECTRIC CO	2	163	4.04	8.8	17,822
NJ	B L ENGLAND	ATLANTIC CITY ELECTRIC CO	3	176	0.76	4.7	1,805
NJ	BERGEN	PUBLIC SERVICE ELECTRIC&GAS CO	1	325	0.71	0.6	228
NJ	BERSEN	PUBLIC SERVICE ELECTRIC&GAS CO	2	283	0.80	0.7	268
NJ	BURLINGTON	PUBLIC SERVICE ELECTRIC&GAS CO	7	180	0.26	0.2	29
NJ	DEEPWATER	ATLANTIC CITY ELECTRIC CO	1	82	0.89	2.6	1,151
NJ	DEEPWATER	ATLANTIC CITY ELECTRIC CO	6	80	1.16	3.8	2,202
NJ	GILBERT	JERSEY CENTRAL POWER&LIGHT CO	1	471	0.01	11.6	33
NJ	HUDSON	PUBLIC SERVICE ELECTRIC&GAS CO	1	455	0.14	6.0	422
NJ	HUDSON	PUBLIC SERVICE ELECTRIC&GAS CO	2	660	1.55	32.7	25,386
NJ	KEARNY	PUBLIC SERVICE ELECTRIC&GAS CO	7	147	0.01	0.4	3
NJ	KEARNY	PUBLIC SERVICE ELECTRIC&GAS CO	8	147	0.01	0.5	3
NJ	LINDEN	PUBLIC SERVICE ELECTRIC&GAS CO	1	87	0.33	2.2	366
NJ	LINDEN	ATLANTIC CITY ELECTRIC CO	1A	86	0.33	1.9	310
NJ	LINDEN	ATLANTIC CITY ELECTRIC CO	1B	86	0.33	0.9	150
NJ	LINDEN	PUBLIC SERVICE ELECTRIC&GAS CO	2	260	0.33	3.2	521
NJ	LINDEN	PUBLIC SERVICE ELECTRIC&GAS CO	4	94	0.33	3.0	499
NJ	MERCER	PUBLIC SERVICE ELECTRIC&GAS CO	1	326	1.55	15.1	11,700
NJ	MERCER	PUBLIC SERVICE ELECTRIC&GAS CO	2	326	2.00	15.0	15,021
NJ	SAYREVILLE	JERSEY CENTRAL POWER&LIGHT CO	4	123	0.01	5.8	38
NJ	SAYREVILLE	JERSEY CENTRAL POWER&LIGHT CO	5	125	0.03	4.2	53
NJ	SEWAREN	PUBLIC SERVICE ELECTRIC&GAS CO	1	200	0.19	0.3	33
NJ	SEWAREN	PUBLIC SERVICE ELECTRIC&GAS CO	2	197	0.63	0.2	71
NJ	SEWAREN	PUBLIC SERVICE ELECTRIC&GAS CO	3	205	0.25	0.5	62
NJ	SEWAREN	PUBLIC SERVICE ELECTRIC&GAS CO	4	216	0.27	0.8	109
NM	CUNNINGHAM STATION	SOUTHWESTERN PUBLIC SERVICE CO	1	75	<.01	7.9	2
NM	CUNNINGHAM STATION	SOUTHWESTERN PUBLIC SERVICE CO	2	190	<.01	17.6	5
NM	ESCALANTE	PLAINS ELEC GEN&TRANS COOP INC	1	233	0.28	17.1	2,353
NM	FOUR CORNERS	ARIZONA PUBLIC SERVICE COMPANY	1	173	0.42	13.5	2,848
NM	FOUR CORNERS	ARIZONA PUBLIC SERVICE COMPANY	2	173	0.42	14.3	3,015
NM	FOUR CORNERS	ARIZONA PUBLIC SERVICE COMPANY	3	230	0.42	15.9	3,347
NM	FOUR CORNERS	ARIZONA PUBLIC SERVICE COMPANY	4	818	0.47	49.5	11,505
NM	FOUR CORNERS	ARIZONA PUBLIC SERVICE COMPANY	5	818	0.46	51.7	12,010
NM	MADDOX PLANT	SOUTHWESTERN PUBLIC SERVICE CO	1	114	<.01	7.1	2
NM	RIO GRANDE	EL PASO ELECTRIC CO	8	167	<.01	3.7	1
NM	SAN JUAN	PUBLIC SERVICE CO OF NM	1	361	0.66	27.0	8,862
NM	SAN JUAN	PUBLIC SERVICE CO OF NM	2	350	0.48	24.7	5,954
NM	SAN JUAN	PUBLIC SERVICE CO OF NM	3	534	0.78	36.1	14,089
NM	SAN JUAN	PUBLIC SERVICE CO OF NM	4	534	0.75	35.9	13,470
NV	CLARK	NEVADA POWER CO	3	75	0.00	1.1	0
NV	FORT CHURCHILL	SIERRA PACIFIC POWER CO	1	105	0.00	0.8	0
NV	FORT CHURCHILL	SIERRA PACIFIC POWER CO	2	105	<.01	1.7	1
NV	MOHAVE	SOUTHERN CALIFORNIA EDISON CO	1	818	0.48	36.5	8,675
NV	MOHAVE	SOUTHERN CALIFORNIA EDISON CO	2	818	1.11	14.5	8,079
NV	NORTH VALMY	SIERRA PACIFIC POWER CO	1	254	0.79	20.3	7,998
NV	NORTH VALMY	SIERRA PACIFIC POWER CO	2	275	0.35	9.4	1,616
NV	REID GARDNER	NEVADA POWER CO	1	114	0.47	8.4	1,979
NV	REID GARDNER	NEVADA POWER CO	2	114	0.45	8.0	1,822
NV	REID GARDNER	NEVADA POWER CO	3	114	0.28	10.5	1,460
NV	REID GARDNER	NEVADA POWER CO	4	270	0.09	24.2	1,113
NV	SUNRISE	NEVADA POWER CO	1	82	0.00	1.1	0

TABLE 21. (continued)

State	Plant Name	Utility Name	Unit	Capacity (MW)	SO2 Emission Rate (lbs/MMBtu)	Fuel Consumed (10^12 Btu)	SO2 Emissions (tons)
NV	TRACY	SIERRA PACIFIC POWER CO	ST2	80	0.00	0.2	0
NV	TRACY	SIERRA PACIFIC POWER CO	3	110	0.01	0.6	2
NY	ALBANY	NIAGARA MOHAWK POWER CORP	1	100	0.07	3.8	133
NY	ALBANY	NIAGARA MOHAWK POWER CORP	2	100	<.01	4.9	1
NY	ALBANY	NIAGARA MOHAWK POWER CORP	3	100	0.06	4.4	140
NY	ALBANY	NIAGARA MOHAWK POWER CORP	4	100	<.01	4.9	1
NY	ARTHUR KILL	CONSOLIDATED EDISON CO OF NY	2	335	0.27	8.3	1,133
NY	ARTHUR KILL	CONSOLIDATED EDISON CO OF NY	3	491	0.28	10.7	1,509
NY	ASTORIA	CONSOLIDATED EDISON CO OF NY	ST1	200	0.03	6.9	116
NY	ASTORIA	CONSOLIDATED EDISON CO OF NY	ST5	387	0.12	7.4	443
NY	ASTORIA	CONSOLIDATED EDISON CO OF NY	2	200	0.03	8.1	103
NY	ASTORIA	CONSOLIDATED EDISON CO OF NY	3	376	0.03	8.9	144
NY	ASTORIA	CONSOLIDATED EDISON CO OF NY	4	387	0.16	13.4	1,048
NY	BOWLINE POINT	ORANGE & ROCKLAND UTILS INC	1	621	0.15	22.9	1,676
NY	BOWLINE POINT	ORANGE & ROCKLAND UTILS INC	2	621	0.17	17.5	1,509
NY	C R HUNTLEY	NIAGARA MOHAWK POWER CORP	S68	218	2.38	10.9	12,962
NY	C R HUNTLEY	NIAGARA MOHAWK POWER CORP	63	92	2.40	5.5	6,597
NY	C R HUNTLEY	NIAGARA MOHAWK POWER CORP	64	100	2.40	5.5	6,572
NY	C R HUNTLEY	NIAGARA MOHAWK POWER CORP	65	100	2.40	5.0	5,993
NY	C R HUNTLEY	NIAGARA MOHAWK POWER CORP	66	100	2.40	5.2	6,239
NY	C R HUNTLEY	NIAGARA MOHAWK POWER CORP	67	218	2.38	10.5	12,493
NY	CHARLES POLETTI	POWER AUTHORITY OF STATE OF NY	6	883	0.05	22.2	576
NY	DANSKAMMER	CENTRAL HUDSON GAS & ELEC CORP	3	120	1.02	5.0	2,543
NY	DANSKAMMER	CENTRAL HUDSON GAS & ELEC CORP	4	219	1.02	10.1	5,175
NY	DUNKIRK	NIAGARA MOHAWK POWER CORP	ST4	218	3.09	11.1	17,080
NY	DUNKIRK	NIAGARA MOHAWK POWER CORP	1	96	3.09	5.0	7,675
NY	DUNKIRK	NIAGARA MOHAWK POWER CORP	2	96	3.12	6.3	9,740
NY	DUNKIRK	NIAGARA MOHAWK POWER CORP	3	218	3.09	11.8	18,235
NY	E F BARRETT	LONG ISLAND LIGHTING CO	ST1	188	0.04	13.7	293
NY	E F BARRETT	LONG ISLAND LIGHTING CO	ST2	188	0.06	11.6	338
NY	EAST RIVER	CONSOLIDATED EDISON CO OF NY	5	156	0.35	2.1	363
NY	EAST RIVER	CONSOLIDATED EDISON CO OF NY	6	156	0.19	3.8	358
NY	EAST RIVER	CONSOLIDATED EDISON CO OF NY	7	200	0.29	10.7	1,556
NY	FAR ROCKAWAY	LONG ISLAND LIGHTING CO	4	114	0.00	0.0	0
NY	GLENWOOD	LONG ISLAND LIGHTING CO	4	114	0.07	5.0	173
NY	GLENWOOD	LONG ISLAND LIGHTING CO	5	114	<.01	3.0	6
NY	GOUDEY	NEW YORK STATE ELEC & GAS CORP	8	75	3.14	6.5	10,182
NY	GREENIDGE	NEW YORK STATE ELEC & GAS CORP	4	113	3.19	7.2	11,550
NY	HUDSON AVENUE	CONSOLIDATED EDISON CO OF NY	10	75	0.33	2.0	333
NY	LOVETT	ORANGE & ROCKLAND UTILS INC	4	197	0.04	7.9	160
NY	LOVETT	ORANGE & ROCKLAND UTILS INC	5	202	0.04	7.8	148
NY	MILLIKEN	NEW YORK STATE ELEC & GAS CORP	1	155	2.82	6.7	9,395
NY	MILLIKEN	NEW YORK STATE ELEC & GAS CORP	2	167	2.82	10.9	15,395
NY	NORTHPORT	LONG ISLAND LIGHTING CO	ST1	387	2.70	20.3	27,396
NY	NORTHPORT	LONG ISLAND LIGHTING CO	2	387	2.68	19.8	26,585
NY	NORTHPORT	LONG ISLAND LIGHTING CO	3	387	2.69	19.3	25,915
NY	NORTHPORT	LONG ISLAND LIGHTING CO	4	387	0.65	14.7	4,743
NY	OSWEGO	NIAGARA MOHAWK POWER CORP	ST1	92	0.00	0.0	0
NY	OSWEGO	NIAGARA MOHAWK POWER CORP	ST5	902	1.88	10.4	9,834
NY	OSWEGO	NIAGARA MOHAWK POWER CORP	ST6	902	0.77	12.4	4,741
NY	OSWEGO	NIAGARA MOHAWK POWER CORP	2	92	0.00	0.0	0
NY	OSWEGO	NIAGARA MOHAWK POWER CORP	3	92	0.75	0.0	14
NY	OSWEGO	NIAGARA MOHAWK POWER CORP	4	100	0.76	0.5	181
NY	PORT JEFFERSON	LONG ISLAND LIGHTING CO	3	190	2.68	7.9	10,600

TABLE 21. (continued)

State	Plant Name	Utility Name	Unit	Capacity (MW)	SO2 Emission Rate (lbs/MMBtu)	Fuel Consumed (10^12 Btu)	SO2 Emissions (tons)
NY	PORT JEFFERSON	LONG ISLAND LIGHTING CO	4	190	2.70	9.0	12,195
NY	RAVENSWOOD	CONSOLIDATED EDISON CO OF NY	1	400	0.02	15.4	158
NY	RAVENSWOOD	CONSOLIDATED EDISON CO OF NY	2	400	0.03	12.7	204
NY	RAVENSWOOD	CONSOLIDATED EDISON CO OF NY	3	972	0.27	12.8	1,739
NY	ROCHESTER NO 3	ROCHESTER GAS & ELECTRIC CORP	12	82	3.12	5.0	7,795
NY	ROCHESTER NO 7	ROCHESTER GAS & ELECTRIC CORP	4	82	3.38	4.8	8,034
NY	ROSETON	CENTRAL HUDSON GAS & ELEC CORP	1	621	1.70	24.7	20,945
NY	ROSETON	CENTRAL HUDSON GAS & ELEC CORP	2	621	1.66	26.1	21,700
NY	SOMERSET	NEW YORK STATE ELEC & GAS CORP	1	655	0.35	45.2	8,010
NY	WATERSIDE	CONSOLIDATED EDISON CO OF NY	15	75	0.11	0.6	32
NY	WATERSIDE	CONSOLIDATED EDISON CO OF NY	7	81	0.08	1.5	63
NY	74TH STREET	CONSOLIDATED EDISON CO OF NY	9	75	0.33	1.7	284
OH	ACME	TOLEDO EDISON CO	6	113	1.03	3.7	1,913
OH	ASHTABULA	CLEVELAND ELECTRIC ILLUM CO	5	256	6.65	11.3	37,621
OH	AVON LAKE	CLEVELAND ELECTRIC ILLUM CO	6	86	4.03	5.1	10,190
OH	AVON LAKE	CLEVELAND ELECTRIC ILLUM CO	7	86	4.03	4.4	8,861
OH	AVON LAKE	CLEVELAND ELECTRIC ILLUM CO	8	233	4.03	8.4	16,952
OH	AVON LAKE	CLEVELAND ELECTRIC ILLUM CO	9	680	4.05	20.4	41,322
OH	BAY SHORE	TOLEDO EDISON CO	1	141	1.68	8.6	7,189
OH	BAY SHORE	TOLEDO EDISON CO	2	141	1.71	7.8	6,641
OH	BAY SHORE	TOLEDO EDISON CO	3	141	1.93	9.0	8,682
OH	BAY SHORE	TOLEDO EDISON CO	4	218	1.96	10.1	9,964
OH	CARDINAL	BUCKEYE POWER INC	1	615	5.34	25.9	69,012
OH	CARDINAL	BUCKEYE POWER INC	2	615	5.27	27.1	71,532
OH	CARDINAL	BUCKEYE POWER INC	3	650	1.22	31.2	19,019
OH	CONESVILLE	COLUMBUS & SOUTHERN OHIO EL CO	1	148	4.73	2.7	6,468
OH	CONESVILLE	COLUMBUS & SOUTHERN OHIO EL CO	2	136	4.73	3.0	7,008
OH	CONESVILLE	COLUMBUS & SOUTHERN OHIO EL CO	3	162	4.73	4.1	9,646
OH	CONESVILLE	COLUMBUS & SOUTHERN OHIO EL CO	4	842	4.87	40.3	98,256
OH	CONESVILLE	COLUMBUS & SOUTHERN OHIO EL CO	5	444	1.06	18.1	9,553
OH	CONESVILLE	COLUMBUS & SOUTHERN OHIO EL CO	6	444	1.10	19.3	10,645
OH	EASTLAKE	CLEVELAND ELECTRIC ILLUM CO	1	123	4.78	6.9	16,550
OH	EASTLAKE	CLEVELAND ELECTRIC ILLUM CO	2	123	4.78	7.2	17,267
OH	EASTLAKE	CLEVELAND ELECTRIC ILLUM CO	3	123	4.78	8.2	19,545
OH	EASTLAKE	CLEVELAND ELECTRIC ILLUM CO	4	208	4.79	10.4	24,997
OH	EASTLAKE	CLEVELAND ELECTRIC ILLUM CO	5	680	4.83	33.1	79,918
OH	EDGEWATER	OHIO EDISON CO	4	105	2.62	4.7	6,149
OH	FRANK M TAIT	DAYTON POWER & LIGHT CO	4	147	0.00	0.0	0
OH	FRANK M TAIT	DAYTON POWER & LIGHT CO	5	147	0.00	0.0	0
OH	GEN J M GAVIN	OHIO POWER CO	1	1300	6.02	58.9	177,338
OH	GEN J M GAVIN	OHIO POWER CO	2	1300	6.04	61.6	185,911
OH	J M STUART	DAYTON POWER & LIGHT CO	1	610	2.20	35.8	39,468
OH	J M STUART	DAYTON POWER & LIGHT CO	2	610	2.20	34.8	38,324
OH	J M STUART	DAYTON POWER & LIGHT CO	3	610	2.20	35.2	38,795
OH	J M STUART	DAYTON POWER & LIGHT CO	4	610	2.20	39.1	43,098
OH	KILLEN STATION	DAYTON POWER & LIGHT CO	2	666	0.92	13.1	6,019
OH	KYGER CREEK	OHIO VALLEY ELECTRIC CORP	1	217	5.80	15.6	45,353
OH	KYGER CREEK	OHIO VALLEY ELECTRIC CORP	2	217	5.80	15.4	44,518
OH	KYGER CREEK	OHIO VALLEY ELECTRIC CORP	3	217	5.80	14.7	42,542
OH	KYGER CREEK	OHIO VALLEY ELECTRIC CORP	4	217	5.80	15.0	43,376
OH	KYGER CREEK	OHIO VALLEY ELECTRIC CORP	5	217	5.80	16.2	46,934
OH	LAKE ROAD	CLEVELAND CITY OF	11	85	0.00	0.0	0
OH	LAKE SHORE	CLEVELAND ELECTRIC ILLUM CO	14	107	1.03	9.9	5,108
OH	LAKE SHORE	CLEVELAND ELECTRIC ILLUM CO	18	256	1.04	0.3	158

TABLE 21. (continued)

State	Plant Name	Utility Name	Unit	Capacity (MW)	SO2 Emission Rate (lbs/MMBtu)	Fuel Consumed (10^12 Btu)	SO2 Emissions (tons)
OH	MIAMI FORT	CINCINNATI GAS & ELECTRIC CO	5	100	3.01	0.2	262
OH	MIAMI FORT	CINCINNATI GAS & ELECTRIC CO	6	163	3.96	10.7	21,111
OH	MIAMI FORT	CINCINNATI GAS & ELECTRIC CO	7	557	4.11	30.4	62,456
OH	MIAMI FORT	CINCINNATI GAS & ELECTRIC CO	8	558	1.13	25.0	14,114
OH	MUSKINGUM RIVER	OHIO POWER CO	1	220	7.53	11.0	41,429
OH	MUSKINGUM RIVER	OHIO POWER CO	2	220	7.53	11.1	41,796
OH	MUSKINGUM RIVER	OHIO POWER CO	3	238	7.52	9.6	36,195
OH	MUSKINGUM RIVER	OHIO POWER CO	4	238	7.52	9.3	35,108
OH	MUSKINGUM RIVER	OHIO POWER CO	5	615	7.40	26.7	98,907
OH	NILES	OHIO EDISON CO	1	125	5.17	5.4	14,054
OH	NILES	OHIO EDISON CO	2	125	5.19	6.3	16,[illegible]
OH	PICWAY	COLUMBUS & SOUTHERN OHIO EL CO	5	106	6.20	4.4	13,671
OH	POSTON	COLUMBUS & SOUTHERN OHIO EL CO	4	75	5.07	2.1	5,302
OH	R E BURGER	OHIO EDISON CO	3	100	5.19	5.0	12,912
OH	R E BURGER	OHIO EDISON CO	4	160	5.19	8.5	21,956
OH	R E BURGER	OHIO EDISON CO	5	160	5.21	10.0	25,973
OH	W H SAMMIS	OHIO EDISON CO	1	185	1.41	12.1	8,576
OH	W H SAMMIS	OHIO EDISON CO	2	185	1.41	10.0	7,057
OH	W H SAMMIS	OHIO EDISON CO	3	185	1.41	12.0	8,489
OH	W H SAMMIS	OHIO EDISON CO	4	180	1.41	8.0	5,640
OH	W H SAMMIS	OHIO EDISON CO	5	318	3.49	19.8	34,632
OH	W H SAMMIS	OHIO EDISON CO	6	623	3.49	35.1	61,391
OH	W H SAMMIS	OHIO EDISON CO	7	623	3.64	30.0	54,557
OH	WALTER C BECKJORD	CINCINNATI GAS & ELECTRIC CO	1	115	1.66	0.7	596
OH	WALTER C BECKJORD	CINCINNATI GAS & ELECTRIC CO	2	113	1.65	0.8	644
OH	WALTER C BECKJORD	CINCINNATI GAS & ELECTRIC CO	3	125	1.71	1.5	1,242
OH	WALTER C BECKJORD	CINCINNATI GAS & ELECTRIC CO	4	163	1.70	3.2	2,673
OH	WALTER C BECKJORD	CINCINNATI GAS & ELECTRIC CO	5	245	4.14	6.2	12,735
OH	WALTER C BECKJORD	CINCINNATI GAS & ELECTRIC CO	6	461	4.12	19.0	39,140
OK	COMANCHE	PUBLIC SERVICE CO OF OKLAHOMA	1S	185	<.01	13.2	4
OK	GRDA	GRAND RIVER DAM AUTHORITY	1	490	0.38	38.5	7,280
OK	GRDA	GRAND RIVER DAM AUTHORITY	2	520	0.48	2.3	543
OK	HORSESHOE LAKE	OKLAHOMA GAS & ELECTRIC CO	ST7	220	0.00	7.4	0
OK	HORSESHOE LAKE	OKLAHOMA GAS & ELECTRIC CO	6	163	<.01	9.0	4
OK	HORSESHOE LAKE	OKLAHOMA GAS & ELECTRIC CO	8	443	0.00	13.5	0
OK	HUGO	WESTERN FARMERS ELEC COOP INC	1	400	0.92	24.1	11,079
OK	MOORELAND	WESTERN FARMERS ELEC COOP INC	2	125	0.00	1.8	0
OK	MOORELAND	WESTERN FARMERS ELEC COOP INC	3	135	0.00	0.3	0
OK	MUSKOGEE	OKLAHOMA GAS & ELECTRIC CO	3	173	<.01	6.4	2
OK	MUSKOGEE	OKLAHOMA GAS & ELECTRIC CO	4	572	0.74	21.9	8,050
OK	MUSKOGEE	OKLAHOMA GAS & ELECTRIC CO	5	572	0.72	22.7	8,162
OK	MUSKOGEE	OKLAHOMA GAS & ELECTRIC CO	6	572	0.59	24.5	7,276
OK	MUSTANG	OKLAHOMA GAS & ELECTRIC CO	1	82	<.01	1.9	1
OK	MUSTANG	OKLAHOMA GAS & ELECTRIC CO	3	113	0.00	0.0	0
OK	MUSTANG	OKLAHOMA GAS & ELECTRIC CO	4	253	<.01	7.4	2
OK	NORTHEASTERN	PUBLIC SERVICE CO OF OKLAHOMA	1	170	0.00	4.9	0
OK	NORTHEASTERN	PUBLIC SERVICE CO OF OKLAHOMA	2	473	<.01	16.3	7
OK	NORTHEASTERN	PUBLIC SERVICE CO OF OKLAHOMA	3	473	0.56	31.8	8,838
OK	NORTHEASTERN	PUBLIC SERVICE CO OF OKLAHOMA	4	473	0.87	29.8	13,020
OK	RIVERSIDE	PUBLIC SERVICE CO OF OKLAHOMA	1	473	<.01	23.0	7
OK	RIVERSIDE	PUBLIC SERVICE CO OF OKLAHOMA	2	473	<.01	11.9	3
OK	SEMINOLE	OKLAHOMA GAS & ELECTRIC CO	1	567	<.01	18.5	15
OK	SEMINOLE	OKLAHOMA GAS & ELECTRIC CO	2	567	<.01	21.0	6
OK	SEMINOLE	OKLAHOMA GAS & ELECTRIC CO	3	567	<.01	20.3	41

TABLE 21. (continued)

State	Plant Name	Utility Name	Unit	Capacity (MW)	SO2 Emission Rate (lbs/MMBtu)	Fuel Consumed (10^12 Btu)	SO2 Emissions (tons)
OK	SOONER	OKLAHOMA GAS & ELECTRIC CO	1	569	0.66	25.0	8,289
OK	SOONER	OKLAHOMA GAS & ELECTRIC CO	2	569	0.78	24.1	9,448
OK	SOUTHWESTERN	PUBLIC SERVICE CO OF OKLAHOMA	1	84	0.00	0.1	0
OK	SOUTHWESTERN	PUBLIC SERVICE CO OF OKLAHOMA	2	97	<.01	7.3	3
OK	SOUTHWESTERN	PUBLIC SERVICE CO OF OKLAHOMA	3	315	0.00	0.1	0
OK	TULSA	PUBLIC SERVICE CO OF OKLAHOMA	2	170	<.01	4.9	1
OK	TULSA	PUBLIC SERVICE CO OF OKLAHOMA	3	95	0.00	0.2	0
OK	TULSA	PUBLIC SERVICE CO OF OKLAHOMA	4	170	0.00	2.8	0
OR	BOARDMAN	PORTLAND GENERAL ELECTRIC CO	1	561	0.70	7.1	2,483
PA	ARMSTRONG	WEST PENN POWER CO	1	163	2.81	11.7	16,434
PA	ARMSTRONG	WEST PENN POWER CO	2	163	2.81	11.0	15,423
PA	BRUCE MANSFIELD	PENNSYLVANIA POWER CO	1	835	0.48	45.7	11,071
PA	BRUCE MANSFIELD	PENNSYLVANIA POWER CO	2	835	0.48	47.9	11,503
PA	BRUCE MANSFIELD	PENNSYLVANIA POWER CO	3	835	0.24	48.5	5,870
PA	BRUNNER ISLAND	PENNSYLVANIA POWER & LIGHT CO	1	363	2.94	24.7	36,509
PA	BRUNNER ISLAND	PENNSYLVANIA POWER & LIGHT CO	2	405	2.94	23.4	34,375
PA	BRUNNER ISLAND	PENNSYLVANIA POWER & LIGHT CO	3	790	2.95	42.6	62,933
PA	CHESWICK	DUQUESNE LIGHT CO	1	565	2.59	32.4	41,927
PA	CONEMAUGH	PENNSYLVANIA ELECTRIC CO	1	936	3.53	52.4	92,345
PA	CONEMAUGH	PENNSYLVANIA ELECTRIC CO	2	936	3.54	51.3	90,799
PA	CROMBY	PHILADELPHIA ELECTRIC CO	1	188	0.09	8.2	389
PA	CROMBY	PHILADELPHIA ELECTRIC CO	2	230	0.89	4.0	1,766
PA	DELAWARE	PHILADELPHIA ELECTRIC CO	7	156	0.38	2.4	465
PA	DELAWARE	PHILADELPHIA ELECTRIC CO	8	156	0.38	2.4	465
PA	EDDYSTONE	PHILADELPHIA ELECTRIC CO	1	354	0.19	14.5	1,349
PA	EDDYSTONE	PHILADELPHIA ELECTRIC CO	2	354	0.16	11.6	920
PA	EDDYSTONE	PHILADELPHIA ELECTRIC CO	3	391	0.41	7.4	1,520
PA	EDDYSTONE	PHILADELPHIA ELECTRIC CO	4	391	0.41	4.0	809
PA	ELRAMA	DUQUESNE LIGHT CO	1	100	0.23	2.3	255
PA	ELRAMA	DUQUESNE LIGHT CO	2	100	0.23	2.2	254
PA	ELRAMA	DUQUESNE LIGHT CO	3	125	0.23	3.8	434
PA	ELRAMA	DUQUESNE LIGHT CO	4	185	0.23	8.5	960
PA	F R PHILLIPS	DUQUESNE LIGHT CO	2	81	0.36	1.2	211
PA	F R PHILLIPS	DUQUESNE LIGHT CO	4	180	0.36	3.8	684
PA	HATFIELD'S FERRY	WEST PENN POWER CO	1	576	3.38	32.2	54,286
PA	HATFIELD'S FERRY	WEST PENN POWER CO	2	576	3.38	30.7	51,986
PA	HATFIELD'S FERRY	WEST PENN POWER CO	3	576	3.38	32.4	54,809
PA	HOLTWOOD	PENNSYLVANIA POWER & LIGHT CO	17	75	2.25	7.5	8,472
PA	HOMER CITY	PENNSYLVANIA ELECTRIC CO	1	660	2.75	33.5	46,008
PA	HOMER CITY	PENNSYLVANIA ELECTRIC CO	2	660	2.75	23.1	31,721
PA	HOMER CITY	PENNSYLVANIA ELECTRIC CO	3	692	1.63	41.8	34,000
PA	KEYSTONE	PENNSYLVANIA ELECTRIC CO	1	936	2.31	46.5	53,787
PA	KEYSTONE	PENNSYLVANIA ELECTRIC CO	2	936	2.31	56.3	65,070
PA	MARTINS CREEK	PENNSYLVANIA POWER & LIGHT CO	1	156	3.46	10.9	18,798
PA	MARTINS CREEK	PENNSYLVANIA POWER & LIGHT CO	2	156	3.53	10.5	18,472
PA	MARTINS CREEK	PENNSYLVANIA POWER & LIGHT CO	3	851	0.95	22.8	10,883
PA	MARTINS CREEK	PENNSYLVANIA POWER & LIGHT CO	4	851	0.95	23.5	11,241
PA	MITCHELL	WEST PENN POWER CO	1	75	0.63	0.0	1
PA	MITCHELL	WEST PENN POWER CO	2	75	0.56	0.0	1
PA	MITCHELL	WEST PENN POWER CO	3	299	0.39	11.9	2,344
PA	MONTOUR	PENNSYLVANIA POWER & LIGHT CO	1	806	2.30	47.5	54,721
PA	MONTOUR	PENNSYLVANIA POWER & LIGHT CO	2	819	2.31	45.5	52,618
PA	NEW CASTLE	PENNSYLVANIA POWER CO	3	98	2.34	5.2	6,109
PA	NEW CASTLE	PENNSYLVANIA POWER CO	4	114	2.42	3.9	4,757

TABLE 21. (continued)

State	Plant Name	Utility Name	Unit	Capacity (MW)	SO2 Emission Rate (lbs/MMBtu)	Fuel Consumed (10^12 Btu)	SO2 Emissions (tons)
PA	NEW CASTLE	PENNSYLVANIA POWER CO	5	136	2.33	9.0	10,435
PA	PORTLAND	METROPOLITAN EDISON CO	1	172	2.98	4.3	6,432
PA	PORTLAND	METROPOLITAN EDISON CO	2	255	2.94	7.4	10,888
PA	RICHMOND	PHILADELPHIA ELECTRIC CO	12	165	0.46	0.5	122
PA	RICHMOND	PHILADELPHIA ELECTRIC CO	9	190	0.46	0.5	122
PA	SCHUYLKILL	PHILADELPHIA ELECTRIC CO	1	190	0.42	7.9	1,655
PA	SEWARD	PENNSYLVANIA ELECTRIC CO	5	156	2.37	8.9	10,545
PA	SHAWVILLE	PENNSYLVANIA ELECTRIC CO	1	125	3.16	8.6	13,486
PA	SHAWVILLE	PENNSYLVANIA ELECTRIC CO	2	125	3.16	9.0	14,167
PA	SHAWVILLE	PENNSYLVANIA ELECTRIC CO	3	188	3.15	11.9	18,696
PA	SHAWVILLE	PENNSYLVANIA ELECTRIC CO	4	188	3.14	11.2	17,626
PA	SOUTHWARK	PHILADELPHIA ELECTRIC CO	1	173	0.44	0.3	62
PA	SOUTHWARK	PHILADELPHIA ELECTRIC CO	2	173	0.46	0.3	65
PA	SPRINGDALE	WEST PENN POWER CO	7	75	0.00	0.0	0
PA	SPRINGDALE	WEST PENN POWER CO	8	141	0.00	0.0	0
PA	SUNBURY	PENNSYLVANIA POWER & LIGHT CO	1	93	0.81	7.0	2,830
PA	SUNBURY	PENNSYLVANIA POWER & LIGHT CO	2	93	0.81	7.0	2,830
PA	SUNBURY	PENNSYLVANIA POWER & LIGHT CO	3	104	2.98	7.3	10,908
PA	SUNBURY	PENNSYLVANIA POWER & LIGHT CO	4	156	2.98	10.3	15,283
PA	TITUS	METROPOLITAN EDISON CO	1	75	1.78	3.5	3,155
PA	TITUS	METROPOLITAN EDISON CO	2	75	1.83	3.6	3,277
PA	TITUS	METROPOLITAN EDISON CO	3	75	2.19	2.9	3,135
RI	SOUTH STREET	NEW ENGLAND POWER CO	12	98	1.65	0.9	715
SC	CANADYS STEAM	SOUTH CAROLINA ELECTRIC&GAS CO	1	136	2.23	5.3	5,899
SC	CANADYS STEAM	SOUTH CAROLINA ELECTRIC&GAS CO	2	136	2.15	4.6	4,907
SC	CANADYS STEAM	SOUTH CAROLINA ELECTRIC&GAS CO	3	218	2.33	4.1	4,752
SC	CROSS	SOUTH CAROLINA PUB SERV AUTH	2	556	0.32	28.1	4,441
SC	DOLPHUS M GRAINGER	SOUTH CAROLINA PUB SERV AUTH	1	82	2.70	4.4	5,954
SC	DOLPHUS M GRAINGER	SOUTH CAROLINA PUB SERV AUTH	2	82	2.70	4.7	6,372
SC	H B ROBINSON	CAROLINA POWER & LIGHT CO	1	207	1.79	5.7	5,150
SC	JEFFERIES	SOUTH CAROLINA PUB SERV AUTH	3	173	2.42	5.1	6,209
SC	JEFFERIES	SOUTH CAROLINA PUB SERV AUTH	4	173	2.42	5.8	6,976
SC	MCMEEKIN STEAM	SOUTH CAROLINA ELECTRIC&GAS CO	1	147	2.35	8.6	10,118
SC	MCMEEKIN STEAM	SOUTH CAROLINA ELECTRIC&GAS CO	2	147	2.35	6.9	8,117
SC	URQUHART STEAM	SOUTH CAROLINA ELECTRIC&GAS CO	1	75	1.97	2.6	2,605
SC	URQUHART STEAM	SOUTH CAROLINA ELECTRIC&GAS CO	2	75	1.97	2.9	2,885
SC	URQUHART STEAM	SOUTH CAROLINA ELECTRIC&GAS CO	3	100	1.95	0.6	627
SC	W S LEE	DUKE POWER CO	1	90	1.54	1.5	1,191
SC	W S LEE	DUKE POWER CO	2	90	1.61	1.1	891
SC	W S LEE	DUKE POWER CO	3	175	1.54	3.7	2,828
SC	WATEREE STEAM	SOUTH CAROLINA ELECTRIC&GAS CO	1	386	1.96	16.5	16,201
SC	WATEREE STEAM	SOUTH CAROLINA ELECTRIC&GAS CO	2	386	1.97	16.5	16,197
SC	WILLIAMS STEAM	SOUTH CAROLINA ELECTRIC&GAS CO	ST1	580	1.35	26.5	17,901
SC	WINYAH	SOUTH CAROLINA PUB SERV AUTH	1	315	1.80	13.3	11,959
SC	WINYAH	SOUTH CAROLINA PUB SERV AUTH	2	315	0.28	7.8	1,115
SC	WINYAH	SOUTH CAROLINA PUB SERV AUTH	3	315	0.18	8.9	791
SC	WINYAH	SOUTH CAROLINA PUB SERV AUTH	4	315	0.15	7.1	542
SD	BIG STONE	OTTER TAIL POWER CO	1	456	2.44	26.3	32,157
SD	PATHFINDER	NORTHERN STATES POWER CO	1	75	0.74	0.0	4
TN	ALLEN	TENNESSEE VALLEY AUTHORITY	1	330	3.26	14.1	23,086
TN	ALLEN	TENNESSEE VALLEY AUTHORITY	2	330	3.26	14.1	23,086
TN	ALLEN	TENNESSEE VALLEY AUTHORITY	3	330	3.26	14.1	23,086
TN	BULL RUN	TENNESSEE VALLEY AUTHORITY	1	950	1.25	50.2	31,418
TN	CUMBERLAND	TENNESSEE VALLEY AUTHORITY	1	1300	4.79	72.3	173,240

TABLE 21. (continued)

State	Plant Name	Utility Name	Unit	Capacity (MW)	SO2 Emission Rate (lbs/MMBtu)	Fuel Consumed (10^12 Btu)	SO2 Emissions (tons)
TN	CUMBERLAND	TENNESSEE VALLEY AUTHORITY	2	1300	4.78	72.4	172,982
TN	GALLATIN	TENNESSEE VALLEY AUTHORITY	1	300	3.93	16.4	32,177
TN	GALLATIN	TENNESSEE VALLEY AUTHORITY	2	300	3.93	16.4	32,177
TN	GALLATIN	TENNESSEE VALLEY AUTHORITY	3	328	4.08	15.8	32,177
TN	GALLATIN	TENNESSEE VALLEY AUTHORITY	4	328	4.08	15.8	32,177
TN	JOHN SEVIER	TENNESSEE VALLEY AUTHORITY	1	200	2.22	11.4	12,631
TN	JOHN SEVIER	TENNESSEE VALLEY AUTHORITY	2	200	2.23	11.3	12,625
TN	JOHN SEVIER	TENNESSEE VALLEY AUTHORITY	3	200	2.23	11.3	12,625
TN	JOHN SEVIER	TENNESSEE VALLEY AUTHORITY	4	200	2.23	11.3	12,625
TN	JOHNSONVILLE	TENNESSEE VALLEY AUTHORITY	1	125	3.19	6.2	9,810
TN	JOHNSONVILLE	TENNESSEE VALLEY AUTHORITY	10	173	2.80	7.0	9,810
TN	JOHNSONVILLE	TENNESSEE VALLEY AUTHORITY	2	125	3.19	6.2	9,810
TN	JOHNSONVILLE	TENNESSEE VALLEY AUTHORITY	3	125	3.19	6.2	9,810
TN	JOHNSONVILLE	TENNESSEE VALLEY AUTHORITY	4	125	3.19	6.2	9,810
TN	JOHNSONVILLE	TENNESSEE VALLEY AUTHORITY	5	147	2.70	7.3	9,810
TN	JOHNSONVILLE	TENNESSEE VALLEY AUTHORITY	6	147	2.70	7.3	9,810
TN	JOHNSONVILLE	TENNESSEE VALLEY AUTHORITY	7	173	2.80	7.0	9,810
TN	JOHNSONVILLE	TENNESSEE VALLEY AUTHORITY	8	173	2.80	7.0	9,810
TN	JOHNSONVILLE	TENNESSEE VALLEY AUTHORITY	9	173	2.80	7.0	9,810
TN	KINGSTON	TENNESSEE VALLEY AUTHORITY	1	175	1.81	9.8	8,889
TN	KINGSTON	TENNESSEE VALLEY AUTHORITY	2	175	1.81	9.8	8,889
TN	KINGSTON	TENNESSEE VALLEY AUTHORITY	3	175	1.81	9.8	8,889
TN	KINGSTON	TENNESSEE VALLEY AUTHORITY	4	175	1.81	9.8	8,889
TN	KINGSTON	TENNESSEE VALLEY AUTHORITY	5	200	1.81	9.8	8,889
TN	KINGSTON	TENNESSEE VALLEY AUTHORITY	6	200	1.81	9.8	8,889
TN	KINGSTON	TENNESSEE VALLEY AUTHORITY	7	200	1.81	9.8	8,889
TN	KINGSTON	TENNESSEE VALLEY AUTHORITY	8	200	1.81	9.8	8,889
TN	KINGSTON	TENNESSEE VALLEY AUTHORITY	9	200	1.81	9.8	8,889
TX	BARNEY M DAVIS	CENTRAL POWER & LIGHT CO	1	353	<.01	20.0	33
TX	BARNEY M DAVIS	CENTRAL POWER & LIGHT CO	2	351	<.01	16.0	26
TX	BIG BROWN	TEXAS UTILITIES ELECTRIC CO	1	593	1.53	40.6	30,964
TX	BIG BROWN	TEXAS UTILITIES ELECTRIC CO	2	593	1.49	29.7	22,133
TX	CEDAR BAYOU	HOUSTON LIGHTING & POWER CO	1	765	<.01	35.0	20
TX	CEDAR BAYOU	HOUSTON LIGHTING & POWER CO	2	765	<.01	38.7	6
TX	CEDAR BAYOU	HOUSTON LIGHTING & POWER CO	3	765	<.01	29.8	18
TX	COLETO CREEK	CENTRAL POWER & LIGHT CO	1	600	0.64	37.7	12,040
TX	COLLIN	TEXAS UTILITIES ELECTRIC CO	1	156	0.05	2.1	54
TX	DALLAS	TEXAS UTILITIES ELECTRIC CO	3	79	0.02	1.2	10
TX	DALLAS	TEXAS UTILITIES ELECTRIC CO	9	75	0.02	1.2	10
TX	DANSBY	BRYAN CITY OF	1	105	0.00	3.1	0
TX	DE CORDOVA	TEXAS UTILITIES ELECTRIC CO	1	799	<.01	42.1	91
TX	DECKER CREEK	AUSTIN CITY OF	1	348	0.00	6.6	0
TX	DECKER CREEK	AUSTIN CITY OF	2	440	<.01	9.2	8
TX	DEEPWATER	HOUSTON LIGHTING & POWER CO	7	335	0.00	1.4	0
TX	E S JOSLIN	CENTRAL POWER & LIGHT CO	1	261	<.01	11.1	3
TX	EAGLE MOUNTAIN	TEXAS UTILITIES ELECTRIC CO	1	123	<.01	2.8	1
TX	EAGLE MOUNTAIN	TEXAS UTILITIES ELECTRIC CO	2	188	0.01	6.2	45
TX	EAGLE MOUNTAIN	TEXAS UTILITIES ELECTRIC CO	3	396	0.00	5.7	0
TX	FAYETTE POWER PROJ	LOWER COLORADO RIVER AUTHORITY	1	615	0.68	40.7	13,833
TX	FAYETTE POWER PROJ	LOWER COLORADO RIVER AUTHORITY	2	615	0.76	43.7	16,601
TX	FORT PHANTOM	WEST TEXAS UTILITIES CO	1	157	<.01	5.3	7
TX	FORT PHANTOM	WEST TEXAS UTILITIES CO	2	207	0.01	6.9	35
TX	GIBBONS CREEK	TEXAS MUNICIPAL POWER AGENCY	1	408	0.30	62.2	9,351
TX	GRAHAM	TEXAS UTILITIES ELECTRIC CO	1	248	<.01	10.1	4

TABLE 21. (continued)

State	Plant Name	Utility Name	Unit	Capacity (MW)	SO2 Emission Rate (lbs/MMBtu)	Fuel Consumed (10^12 Btu)	SO2 Emissions (tons)
TX	GRAHAM	TEXAS UTILITIES ELECTRIC CO	2	387	0.01	19.6	52
TX	GREENS BAYOU	HOUSTON LIGHTING & POWER CO	1	75	0.09	0.9	39
TX	GREENS BAYOU	HOUSTON LIGHTING & POWER CO	2	75	0.00	1.1	0
TX	GREENS BAYOU	HOUSTON LIGHTING & POWER CO	5	446	0.00	15.1	0
TX	HANDLEY	TEXAS UTILITIES ELECTRIC CO	2	75	0.02	3.2	27
TX	HANDLEY	TEXAS UTILITIES ELECTRIC CO	3	405	0.00	18.3	0
TX	HANDLEY	TEXAS UTILITIES ELECTRIC CO	4	455	<.01	5.8	11
TX	HANDLEY	TEXAS UTILITIES ELECTRIC CO	5	455	<.01	6.4	11
TX	HARRINGTON STATION	SOUTHWESTERN PUBLIC SERVICE CO	1	360	0.65	23.6	7,723
TX	HARRINGTON STATION	SOUTHWESTERN PUBLIC SERVICE CO	2	360	0.68	22.8	7,723
TX	HARRINGTON STATION	SOUTHWESTERN PUBLIC SERVICE CO	3	360	0.66	23.3	7,723
TX	HIRAM CLARKE	HOUSTON LIGHTING & POWER CO	ST3	75	0.01	0.2	1
TX	HIRAM CLARKE	HOUSTON LIGHTING & POWER CO	ST4	75	0.01	0.1	1
TX	HOLLY STREET	AUSTIN CITY OF	1	113	0.00	1.0	0
TX	HOLLY STREET	AUSTIN CITY OF	2	113	0.00	1.4	0
TX	HOLLY STREET	AUSTIN CITY OF	3	197	0.00	3.4	0
TX	HOLLY STREET	AUSTIN CITY OF	4	205	0.00	2.0	0
TX	J L BATES	CENTRAL POWER & LIGHT CO	1	75	0.00	2.6	0
TX	J L BATES	CENTRAL POWER & LIGHT CO	2	114	<.01	5.6	2
TX	J T DEELY	SAN ANTONIO CITY OF	1	418	0.94	27.0	12,682
TX	J T DEELY	SAN ANTONIO CITY OF	2	418	0.94	28.5	13,359
TX	JONES STATION	SOUTHWESTERN PUBLIC SERVICE CO	1	248	<.01	5.7	3
TX	JONES STATION	SOUTHWESTERN PUBLIC SERVICE CO	2	248	<.01	4.1	5
TX	KNOX LEE	SOUTHWESTERN ELECTRIC POWER CO	5	499	<.01	10.7	3
TX	LA PALMA	CENTRAL POWER & LIGHT CO	6	163	<.01	8.1	3
TX	LAKE CREEK	TEXAS UTILITIES ELECTRIC CO	ST1	80	<.01	2.1	2
TX	LAKE CREEK	TEXAS UTILITIES ELECTRIC CO	ST2	236	<.01	8.5	3
TX	LAKE HUBBARD	TEXAS UTILITIES ELECTRIC CO	1	397	0.01	7.7	24
TX	LAKE HUBBARD	TEXAS UTILITIES ELECTRIC CO	2	531	0.01	23.2	95
TX	LAREDO	CENTRAL POWER & LIGHT CO	3	115	<.01	4.0	2
TX	LEON CREEK	SAN ANTONIO CITY OF	4	100	0.00	0.5	0
TX	LEWIS CREEK	GULF STATES UTILITIES CO	1	271	<.01	13.8	4
TX	LEWIS CREEK	GULF STATES UTILITIES CO	2	271	<.01	11.9	4
TX	LIMESTONE	HOUSTON LIGHTING & POWER CO	1	813	0.30	2.5	378
TX	LIMESTONE	HOUSTON LIGHTING & POWER CO	2	720	0.00	0.0	0
TX	LON C HILL	CENTRAL POWER & LIGHT CO	1	75	<.01	0.5	1
TX	LON C HILL	CENTRAL POWER & LIGHT CO	2	75	0.03	0.5	7
TX	LON C HILL	CENTRAL POWER & LIGHT CO	3	163	0.00	8.0	0
TX	LON C HILL	CENTRAL POWER & LIGHT CO	4	261	0.00	8.6	0
TX	MARTIN LAKE	TEXAS UTILITIES ELECTRIC CO	1	793	1.20	53.3	31,902
TX	MARTIN LAKE	TEXAS UTILITIES ELECTRIC CO	2	793	1.20	51.8	31,036
TX	MARTIN LAKE	TEXAS UTILITIES ELECTRIC CO	3	793	1.20	52.0	31,290
TX	MISSION ROAD	SAN ANTONIO CITY OF	3	100	0.00	0.2	0
TX	MONTICELLO	TEXAS UTILITIES ELECTRIC CO	1	593	1.69	45.5	38,353
TX	MONTICELLO	TEXAS UTILITIES ELECTRIC CO	2	593	1.81	41.7	37,735
TX	MONTICELLO	TEXAS UTILITIES ELECTRIC CO	3	793	1.00	61.4	30,680
TX	MORGAN CREEK	TEXAS UTILITIES ELECTRIC CO	4	75	<.01	3.3	8
TX	MORGAN CREEK	TEXAS UTILITIES ELECTRIC CO	5	170	<.01	6.8	8
TX	MORGAN CREEK	TEXAS UTILITIES ELECTRIC CO	6	518	0.02	28.7	234
TX	MOUNTAIN CREEK	TEXAS UTILITIES ELECTRIC CO	3	75	0.03	0.6	7
TX	MOUNTAIN CREEK	TEXAS UTILITIES ELECTRIC CO	6	136	0.01	2.6	9
TX	MOUNTAIN CREEK	TEXAS UTILITIES ELECTRIC CO	7	136	0.01	3.2	9
TX	MOUNTAIN CREEK	TEXAS UTILITIES ELECTRIC CO	8	581	0.01	21.7	59
TX	NECHES	GULF STATES UTILITIES CO	5	75	<.01	0.0	1

TABLE 21. (continued)

State	Plant Name	Utility Name	Unit	Capacity (MW)	SO2 Emission Rate (lbs/MMBtu)	Fuel Consumed (10^12 Btu)	SO2 Emissions (tons)
TX	NECHES	GULF STATES UTILITIES CO	6	75	<.01	0.0	1
TX	NECHES	GULF STATES UTILITIES CO	7	114	0.00	0.0	0
TX	NECHES	GULF STATES UTILITIES CO	8	114	0.00	0.0	0
TX	NEWMAN	EL PASO ELECTRIC CO	1	82	0.00	0.7	0
TX	NEWMAN	EL PASO ELECTRIC CO	2	82	0.00	1.4	0
TX	NEWMAN	EL PASO ELECTRIC CO	3	122	0.00	4.1	0
TX	NICHOLS STATION	SOUTHWESTERN PUBLIC SERVICE CO	1	113	0.00	3.4	0
TX	NICHOLS STATION	SOUTHWESTERN PUBLIC SERVICE CO	2	114	0.00	3.9	0
TX	NICHOLS STATION	SOUTHWESTERN PUBLIC SERVICE CO	3	248	0.00	2.3	0
TX	NORTH LAKE	TEXAS UTILITIES ELECTRIC CO	1	177	0.00	4.3	0
TX	NORTH LAKE	TEXAS UTILITIES ELECTRIC CO	2	170	0.02	4.8	44
TX	NORTH LAKE	TEXAS UTILITIES ELECTRIC CO	3	361	0.01	11.0	78
TX	NORTH MAIN	TEXAS UTILITIES ELECTRIC CO	4	81	0.01	1.9	5
TX	NUECES BAY	CENTRAL POWER & LIGHT CO	6	180	<.01	6.2	1
TX	NUECES BAY	CENTRAL POWER & LIGHT CO	7	351	<.01	20.3	1
TX	O W SOMMERS	SAN ANTONIO CITY OF	1	430	0.01	17.1	77
TX	O W SOMMERS	SAN ANTONIO CITY OF	2	430	<.01	8.2	2
TX	OAK CREEK	WEST TEXAS UTILITIES CO	1	82	0.01	3.7	14
TX	OKLAUNION	WEST TEXAS UTILITIES CO	1	720	0.00	0.0	0
TX	P H ROBINSON	HOUSTON LIGHTING & POWER CO	1	485	0.00	26.5	0
TX	P H ROBINSON	HOUSTON LIGHTING & POWER CO	2	485	0.00	20.7	0
TX	P H ROBINSON	HOUSTON LIGHTING & POWER CO	3	581	0.00	29.4	0
TX	P H ROBINSON	HOUSTON LIGHTING & POWER CO	4	765	<.01	33.6	4
TX	PAINT CREEK	WEST TEXAS UTILITIES CO	4	115	<.01	4.7	1
TX	PARKDALE	TEXAS UTILITIES ELECTRIC CO	1	80	0.02	1.4	12
TX	PARKDALE	TEXAS UTILITIES ELECTRIC CO	2	125	0.01	2.9	11
TX	PARKDALE	TEXAS UTILITIES ELECTRIC CO	3	136	0.02	2.2	18
TX	PERMIAN BASIN	TEXAS UTILITIES ELECTRIC CO	5	115	0.00	4.9	0
TX	PERMIAN BASIN	TEXAS UTILITIES ELECTRIC CO	6	536	0.03	23.6	296
TX	PIRKEY	SOUTHWESTERN ELECTRIC POWER CO	1	719	1.64	39.0	31,938
TX	PLANT X	SOUTHWESTERN PUBLIC SERVICE CO	2	98	0.00	0.1	0
TX	PLANT X	SOUTHWESTERN PUBLIC SERVICE CO	3	98	0.00	4.1	0
TX	PLANT X	SOUTHWESTERN PUBLIC SERVICE CO	4	190	0.00	0.0	0
TX	R W MILLER	BRAZOS ELECTRIC POWER COOP INC	2	100	0.00	4.4	0
TX	R W MILLER	BRAZOS ELECTRIC POWER COOP INC	3	200	<.01	9.6	1
TX	RAY OLINGER	GARLAND CITY OF	1	75	0.02	1.5	12
TX	RAY OLINGER	GARLAND CITY OF	2	113	<.01	2.5	6
TX	RAY OLINGER	GARLAND CITY OF	3	157	0.01	3.1	8
TX	RIO PECOS	WEST TEXAS UTILITIES CO	6	99	0.00	7.9	0
TX	RIVER CREST	TEXAS UTILITIES ELECTRIC CO	1	113	0.03	1.7	29
TX	SABINE	GULF STATES UTILITIES CO	1	239	<.01	6.6	4
TX	SABINE	GULF STATES UTILITIES CO	2	239	<.01	7.3	4
TX	SABINE	GULF STATES UTILITIES CO	3	473	<.01	24.5	6
TX	SABINE	GULF STATES UTILITIES CO	4	592	<.01	21.0	9
TX	SABINE	GULF STATES UTILITIES CO	5	507	<.01	14.8	9
TX	SAM BERTRON	HOUSTON LIGHTING & POWER CO	ST1	188	0.01	2.8	8
TX	SAM BERTRON	HOUSTON LIGHTING & POWER CO	ST2	188	0.02	1.0	8
TX	SAM BERTRON	HOUSTON LIGHTING & POWER CO	3	225	<.01	5.2	8
TX	SAM BERTRON	HOUSTON LIGHTING & POWER CO	4	225	<.01	3.6	8
TX	SAN ANGELO	WEST TEXAS UTILITIES CO	2	101	0.00	4.0	0
TX	SAN MIGUEL	SAN MIGUEL ELECTRIC COOP INC	1	448	1.37	29.7	20,299
TX	SANDOW	TEXAS UTILITIES ELECTRIC CO	4	591	1.20	40.3	24,286
TX	SIM GIDEON	LOWER COLORADO RIVER AUTHORITY	1	125	0.00	2.8	0
TX	SIM GIDEON	LOWER COLORADO RIVER AUTHORITY	2	125	0.00	2.3	0

TABLE 21. (continued)

State	Plant Name	Utility Name	Unit	Capacity (MW)	SO2 Emission Rate (lbs/MMBtu)	Fuel Consumed (10^12 Btu)	SO2 Emissions (tons)
TX	SIM GIDEON	LOWER COLORADO RIVER AUTHORITY	3	315	<.01	11.6	1
TX	STRYKER CREEK	TEXAS UTILITIES ELECTRIC CO	ST1	177	<.01	9.3	22
TX	STRYKER CREEK	TEXAS UTILITIES ELECTRIC CO	ST2	527	<.01	22.4	22
TX	T C FERGUSON	LOWER COLORADO RIVER AUTHORITY	1	408	<.01	11.3	3
TX	T H WHARTON	HOUSTON LIGHTING & POWER CO	1	75	0.00	0.5	0
TX	T H WHARTON	HOUSTON LIGHTING & POWER CO	2	248	0.00	4.4	0
TX	TOLK STATION	SOUTHWESTERN PUBLIC SERVICE CO	1	561	0.60	31.3	9,412
TX	TOLK STATION	SOUTHWESTERN PUBLIC SERVICE CO	2	561	0.60	23.0	6,897
TX	TRADINGHOUSE	TEXAS UTILITIES ELECTRIC CO	1	581	<.01	25.2	21
TX	TRADINGHOUSE	TEXAS UTILITIES ELECTRIC CO	2	799	<.01	40.8	46
TX	TRINIDAD	TEXAS UTILITIES ELECTRIC CO	6	239	<.01	6.1	2
TX	V H BRAUNIG	SAN ANTONIO CITY OF	1	230	<.01	3.5	1
TX	V H BRAUNIG	SAN ANTONIO CITY OF	2	230	<.01	5.3	1
TX	V H BRAUNIG	SAN ANTONIO CITY OF	3	400	<.01	17.9	5
TX	VALLEY	TEXAS UTILITIES ELECTRIC CO	1	199	<.01	3.3	6
TX	VALLEY	TEXAS UTILITIES ELECTRIC CO	2	581	<.01	21.5	45
TX	VALLEY	TEXAS UTILITIES ELECTRIC CO	3	396	<.01	7.1	2
TX	VICTORIA	CENTRAL POWER & LIGHT CO	4	75	<.01	0.4	1
TX	VICTORIA	CENTRAL POWER & LIGHT CO	5	180	<.01	5.1	2
TX	VICTORIA	CENTRAL POWER & LIGHT CO	6	261	0.00	10.3	0
TX	W A PARISH	HOUSTON LIGHTING & POWER CO	1	188	0.00	2.7	0
TX	W A PARISH	HOUSTON LIGHTING & POWER CO	2	188	<.01	2.7	4
TX	W A PARISH	HOUSTON LIGHTING & POWER CO	3	299	0.00	10.8	0
TX	W A PARISH	HOUSTON LIGHTING & POWER CO	4	581	<.01	23.7	5
TX	W A PARISH	HOUSTON LIGHTING & POWER CO	5	734	0.62	47.3	14,565
TX	W A PARISH	HOUSTON LIGHTING & POWER CO	6	734	0.95	45.1	21,405
TX	W A PARISH	HOUSTON LIGHTING & POWER CO	7	615	1.07	36.5	19,499
TX	W A PARISH	HOUSTON LIGHTING & POWER CO	8	615	0.22	39.1	4,238
TX	W B TUTTLE	SAN ANTONIO CITY OF	2	100	0.00	1.0	0
TX	W B TUTTLE	SAN ANTONIO CITY OF	3	100	0.00	0.6	0
TX	W B TUTTLE	SAN ANTONIO CITY OF	4	160	<.01	2.2	1
TX	WEBSTER	HOUSTON LIGHTING & POWER CO	1	113	0.00	0.8	0
TX	WEBSTER	HOUSTON LIGHTING & POWER CO	2	113	0.00	1.0	0
TX	WEBSTER	HOUSTON LIGHTING & POWER CO	3	389	0.00	14.9	0
TX	WELSH	SOUTHWESTERN ELECTRIC POWER CO	1	558	0.93	25.6	11,889
TX	WELSH	SOUTHWESTERN ELECTRIC POWER CO	2	558	0.71	24.0	8,531
TX	WELSH	SOUTHWESTERN ELECTRIC POWER CO	3	558	0.62	31.4	9,675
TX	WILKES	SOUTHWESTERN ELECTRIC POWER CO	1	180	<.01	1.1	1
TX	WILKES	SOUTHWESTERN ELECTRIC POWER CO	2	351	<.01	5.4	1
TX	WILKES	SOUTHWESTERN ELECTRIC POWER CO	3	351	0.00	6.0	0
UT	BONANZA	DESERET GENERATION & TRAN COOP	1	400	0.00	0.0	0
UT	CARBON	UTAH POWER & LIGHT CO	1	75	0.93	3.0	1,398
UT	CARBON	UTAH POWER & LIGHT CO	2	114	0.93	2.6	1,214
UT	GADSBY	UTAH POWER & LIGHT CO	3	114	0.85	3.9	1,664
UT	HUNTER (EMERY)	UTAH POWER & LIGHT CO	1	446	0.19	25.9	2,418
UT	HUNTER (EMERY)	UTAH POWER & LIGHT CO	2	446	0.18	23.8	2,196
UT	HUNTER (EMERY)	UTAH POWER & LIGHT CO	3	447	0.09	29.5	1,366
UT	HUNTINGTON	UTAH POWER & LIGHT CO	1	446	0.18	28.2	2,538
UT	HUNTINGTON	UTAH POWER & LIGHT CO	2	446	0.71	27.3	9,761
VA	BREMO BLUFF	VIRGINIA ELECTRIC & POWER CO	4	185	1.32	8.5	5,611
VA	CHESTERFIELD	VIRGINIA ELECTRIC & POWER CO	3	100	1.49	3.8	2,824
VA	CHESTERFIELD	VIRGINIA ELECTRIC & POWER CO	4	188	1.50	8.9	6,702
VA	CHESTERFIELD	VIRGINIA ELECTRIC & POWER CO	5	359	1.50	16.0	12,001
VA	CHESTERFIELD	VIRGINIA ELECTRIC & POWER CO	6	694	1.50	28.6	21,388

TABLE 21. (continued)

State	Plant Name	Utility Name	Unit	Capacity (MW)	SO2 Emission Rate (lbs/MMBtu)	Fuel Consumed (10^12 Btu)	SO2 Emissions (tons)
VA	CLINCH RIVER	APPALACHIAN POWER CO	1	238	1.09	9.6	5,258
VA	CLINCH RIVER	APPALACHIAN POWER CO	2	238	1.09	10.8	5,901
VA	CLINCH RIVER	APPALACHIAN POWER CO	3	238	1.09	13.8	7,553
VA	GLEN LYN	APPALACHIAN POWER CO	5	100	1.39	2.1	1,486
VA	GLEN LYN	APPALACHIAN POWER CO	6	238	1.40	11.3	7,894
VA	PORTSMOUTH	VIRGINIA ELECTRIC & POWER CO	ST4	239	1.45	8.4	6,099
VA	PORTSMOUTH	VIRGINIA ELECTRIC & POWER CO	3	162	1.45	7.7	5,569
VA	POSSUM POINT	VIRGINIA ELECTRIC & POWER CO	3	114	1.50	3.7	2,766
VA	POSSUM POINT	VIRGINIA ELECTRIC & POWER CO	4	239	1.50	11.2	8,353
VA	POSSUM POINT	VIRGINIA ELECTRIC & POWER CO	5	882	0.76	5.8	2,201
VA	POTOMAC RIVER	POTOMAC ELECTRIC POWER CO	1	92	1.25	4.2	2,613
VA	POTOMAC RIVER	POTOMAC ELECTRIC POWER CO	2	92	1.23	4.4	2,686
VA	POTOMAC RIVER	POTOMAC ELECTRIC POWER CO	3	110	1.22	5.4	3,287
VA	POTOMAC RIVER	POTOMAC ELECTRIC POWER CO	4	110	1.22	5.9	3,619
VA	POTOMAC RIVER	POTOMAC ELECTRIC POWER CO	5	110	1.25	6.3	3,969
VA	YORKTOWN	VIRGINIA ELECTRIC & POWER CO	1	166	1.91	6.8	6,468
VA	YORKTOWN	VIRGINIA ELECTRIC & POWER CO	2	170	1.93	3.3	3,163
VA	YORKTOWN	VIRGINIA ELECTRIC & POWER CO	3	882	0.95	3.3	1,562
WA	CENTRALIA	PACIFIC POWER & LIGHT CO	1	665	1.67	40.2	33,565
WA	CENTRALIA	PACIFIC POWER & LIGHT CO	2	665	1.68	41.9	35,208
WI	ALMA	DAIRYLAND POWER COOP	5	82	4.49	2.9	6,477
WI	COLUMBIA	WISCONSIN POWER & LIGHT CO	1	512	1.33	29.0	19,258
WI	COLUMBIA	WISCONSIN POWER & LIGHT CO	2	512	0.69	21.9	7,573
WI	EDGEWATER	WISCONSIN POWER & LIGHT CO	4	351	4.27	18.6	39,722
WI	EDGEWATER	WISCONSIN POWER & LIGHT CO	5	380	0.70	18.7	6,546
WI	J. P. MADGETT	DAIRYLAND POWER COOP	1	387	0.81	15.1	6,092
WI	LA CROSSE/GENOA	DAIRYLAND POWER COOP	ST3	346	4.57	17.3	39,673
WI	NELSON DEWEY	WISCONSIN POWER & LIGHT CO	1	114	4.62	5.8	13,289
WI	NELSON DEWEY	WISCONSIN POWER & LIGHT CO	2	114	4.83	5.1	12,273
WI	NORTH OAK CREEK	WISCONSIN ELECTRIC POWER CO	1	120	3.96	3.5	6,923
WI	NORTH OAK CREEK	WISCONSIN ELECTRIC POWER CO	2	120	3.98	4.0	7,862
WI	NORTH OAK CREEK	WISCONSIN ELECTRIC POWER CO	3	130	3.99	3.6	7,182
WI	NORTH OAK CREEK	WISCONSIN ELECTRIC POWER CO	4	130	3.98	4.7	9,304
WI	PLEASANT PRAIRIE	WISCONSIN ELECTRIC POWER CO	1	617	0.63	27.6	8,741
WI	PLEASANT PRAIRIE	WISCONSIN ELECTRIC POWER CO	2	617	0.69	13.4	4,628
WI	PORT WASHINGTON	WISCONSIN ELECTRIC POWER CO	1	80	3.93	1.5	2,938
WI	PORT WASHINGTON	WISCONSIN ELECTRIC POWER CO	2	80	3.85	2.7	5,172
WI	PORT WASHINGTON	WISCONSIN ELECTRIC POWER CO	3	80	4.05	1.5	3,116
WI	PORT WASHINGTON	WISCONSIN ELECTRIC POWER CO	4	80	3.97	2.2	4,344
WI	PORT WASHINGTON	WISCONSIN ELECTRIC POWER CO	5	80	3.50	0.1	187
WI	PULLIAM	WISCONSIN PUBLIC SERVICE CORP	7	75	3.90	3.5	6,836
WI	PULLIAM	WISCONSIN PUBLIC SERVICE CORP	8	125	3.90	5.4	10,446
WI	ROCK RIVER	WISCONSIN POWER & LIGHT CO	1	75	3.97	3.0	5,904
WI	ROCK RIVER	WISCONSIN POWER & LIGHT CO	2	75	4.04	3.7	7,474
WI	SOUTH OAK CREEK	WISCONSIN ELECTRIC POWER CO	5	275	3.95	8.3	16,396
WI	SOUTH OAK CREEK	WISCONSIN ELECTRIC POWER CO	6	275	3.85	9.2	17,721
WI	SOUTH OAK CREEK	WISCONSIN ELECTRIC POWER CO	7	318	3.98	14.0	27,756
WI	SOUTH OAK CREEK	WISCONSIN ELECTRIC POWER CO	8	324	3.99	11.2	22,419
WI	VALLEY	WISCONSIN ELECTRIC POWER CO	1	136	2.41	6.5	7,900
WI	VALLEY	WISCONSIN ELECTRIC POWER CO	2	136	2.42	6.2	7,529
WI	WESTON	WISCONSIN PUBLIC SERVICE CORP	2	75	3.09	3.0	4,580
WI	WESTON	WISCONSIN PUBLIC SERVICE CORP	3	322	0.62	19.6	6,088
WV	ALBRIGHT	MONONGAHELA POWER CO	3	140	3.22	7.4	11,938
WV	FORT MARTIN	MONONGAHELA POWER CO	1	576	2.81	31.6	44,309

TABLE 21. (continued)

State	Plant Name	Utility Name	Unit	Capacity (MW)	SO2 Emission Rate (lbs/MMBtu)	Fuel Consumed (10^12 Btu)	SO2 Emissions (tons)
WV	FORT MARTIN	MONONGAHELA POWER CO	2	576	2.81	31.9	44,824
WV	HARRISON	MONONGAHELA POWER CO	1	684	4.35	36.0	78,231
WV	HARRISON	MONONGAHELA POWER CO	2	684	4.35	36.0	78,231
WV	HARRISON	MONONGAHELA POWER CO	3	684	4.35	36.0	78,231
WV	JOHN E AMOS	APPALACHIAN POWER CO	1	816	1.22	46.7	28,444
WV	JOHN E AMOS	APPALACHIAN POWER CO	2	816	1.22	43.4	26,408
WV	JOHN E AMOS	APPALACHIAN POWER CO	3	1300	1.22	67.9	41,291
WV	KAMMER	OHIO POWER CO	1	238	7.51	13.0	48,863
WV	KAMMER	OHIO POWER CO	2	238	7.51	15.4	57,963
WV	KAMMER	OHIO POWER CO	3	238	7.51	13.4	50,208
WV	KANAWHA RIVER	APPALACHIAN POWER CO	1	220	1.40	7.2	5,012
WV	KANAWHA RIVER	APPALACHIAN POWER CO	2	220	1.40	5.7	4,008
WV	MITCHELL	OHIO POWER CO	1	816	2.60	37.0	48,079
WV	MITCHELL	OHIO POWER CO	2	816	2.60	42.5	55,247
WV	MOUNTAINEER (1301)	APPALACHIAN POWER CO	1	1300	0.92	67.1	30,763
WV	MT STORM	VIRGINIA ELECTRIC & POWER CO	1	570	2.89	33.6	48,587
WV	MT STORM	VIRGINIA ELECTRIC & POWER CO	2	570	2.89	24.8	35,817
WV	MT STORM	VIRGINIA ELECTRIC & POWER CO	3	522	2.88	30.5	43,907
WV	PHIL SPORN	CENTRAL OPERATING CO	1	153	1.43	4.5	3,222
WV	PHIL SPORN	CENTRAL OPERATING CO	2	153	1.43	3.8	2,734
WV	PHIL SPORN	CENTRAL OPERATING CO	3	153	1.43	5.4	3,862
WV	PHIL SPORN	CENTRAL OPERATING CO	4	153	1.43	4.8	3,405
WV	PHIL SPORN	CENTRAL OPERATING CO	5	496	1.49	21.5	16,022
WV	PLEASANTS	MONONGAHELA POWER CO	1	684	0.44	33.5	7,318
WV	PLEASANTS	MONONGAHELA POWER CO	2	684	0.44	39.4	8,607
WV	RIVESVILLE	MONONGAHELA POWER CO	6	75	1.56	3.4	2,624
WV	WILLOW ISLAND	MONONGAHELA POWER CO	2	163	2.03	8.3	8,440
WY	DAVE JOHNSTON	PACIFIC POWER & LIGHT CO	1	100	1.00	9.4	4,722
WY	DAVE JOHNSTON	PACIFIC POWER & LIGHT CO	2	100	1.00	8.8	4,421
WY	DAVE JOHNSTON	PACIFIC POWER & LIGHT CO	3	220	1.06	16.0	8,517
WY	DAVE JOHNSTON	PACIFIC POWER & LIGHT CO	4	330	0.50	20.1	5,042
WY	JIM BRIDGER	PACIFIC POWER & LIGHT CO	1	509	1.16	36.8	21,253
WY	JIM BRIDGER	PACIFIC POWER & LIGHT CO	2	509	1.16	35.4	20,458
WY	JIM BRIDGER	PACIFIC POWER & LIGHT CO	3	509	1.16	33.4	19,325
WY	JIM BRIDGER	PACIFIC POWER & LIGHT CO	4	509	0.22	33.2	3,585
WY	LARAMIE RIVER	BASIN ELECTRIC POWER COOP	1	570	0.11	39.9	2,100
WY	LARAMIE RIVER	BASIN ELECTRIC POWER COOP	2	570	0.14	33.0	2,300
WY	LARAMIE RIVER	BASIN ELECTRIC POWER COOP	3	570	0.31	27.7	4,300
WY	NAUGHTON	UTAH POWER & LIGHT CO	1	163	1.22	10.3	6,277
WY	NAUGHTON	UTAH POWER & LIGHT CO	2	218	1.22	15.4	9,372
WY	NAUGHTON	UTAH POWER & LIGHT CO	3	326	0.38	15.1	2,859
WY	WYODAK	PACIFIC POWER & LIGHT CO	1	332	1.29	30.6	19,708

REFERENCES

Coleman, 1988: Personal Communication with Robert Coleman, Consultant, June 1988.

EPRI, 1986: Electric Power Research Institute, "TAG: Technical Assessment Guide, Volume 1: Electricity Supply-1986" P-4463-SR, special report, December 1986.

NERC, 1985: North American Electric Reliability Council, "1985 Electric Power Supply & Demand, 1985-1994," 1985.

NERC, 1986: North American Electric Reliability Council, "1986 Electric Power Supply & Demand, 1986-1995," October 1986.

Stevenson, 1988: Personal Communication with Walter H. Stevenson, Environmental Protection Agency (OAQPS), May 1988.

U.S. DOC, 1979: U.S. Department of Commerce, National Bureau of Standards, "Counties and County Equivalents of the States of the United States and the District of Columbia: Federal General Data Standard Representations and Codes," FIPS PUB 6-3, December 15, 1979.

U.S. DOE, 1981a: U.S. Department of Energy, "Cost and Quality of Fuels for Electric Utility Plants," DOE/EIA-0075(80), May 1981.

U.S. DOE, 1985a: U.S. Department of Energy, "Monthly Power Plant Report," EIA-759 data file, 1985.

U.S. DOE, 1985b: U.S. Department of Energy, "Steam-Electric Plant Operation and Design Report," EIA-767 data file, 1985.

U.S. DOE, 1986a: U.S. Department of Energy, Energy Information Administration, "Electric Power Annual 1986," DOE/EIA-0348(86), September 1987.

U.S. DOE, 1986b: U.S. Department of Energy, Energy Information Administration, "Inventory of Power Plants in the United States 1985," DOE/EIA-0095(85), August 1986.

U.S. DOE, 1987: U.S. Department of Energy, "Cost and Quality of Fuels for Electric Utility Plants 1986 Annual," DOE/EIA-019(86), July 1987.

U.S. EPA, 1976: U.S. Environmental Protection Agency, Office of Air Quality Planning and Standards, "AEROS Manual Series, Volume V: AEROS Manual of Codes," EPA-450/2-76-005, NTIS PB259987, April 1976.

U.S. EPA, 1980b: U.S. Environmental Protection Agency, "The Emissions Inventory System/Point Source User's Guide," EPA-450/4-80-010, May 1980.

U.S. EPA, 1981: U.S. Environmental Protection Agency, "The Comprehensive Data Handling System (CDHS) Coding Manual," EPA-450/4-81-009, NTIS PB83-190256, February 1981.

U.S. EPA, 1982: U.S. Environmental Protection Agency, "National Air Pollutant Emission Estimates 1970-1981," EPA-450/4-82-012, NTIS PB83-115600, September 1982.

U.S. EPA, 1985: U.S. Environmental Protection Agency, "Compilation of Air Pollutant Emission Factors, Volume I: Stationary Point and Area Sources," Fourth Edition Supplement A (AP-42) (GPO No. 055-000-00251-7), Research Triangle Park, NC, October 1986.

U.S. EPA, 1985a: U.S. Environmental Protection Agency, "Historic Emissions of Sulfur and Nitrogen Oxides in the United States from 1900 to 1980," Volume I, Results, EPA-600/7-85-009a, NTIS PB86-167020, April 1985.

U.S. EPA, 1985b: U.S. Environmental Protection Agency, "Flue Gas Desulfurization Information System (FGDIS) Data Base User's Manual," EPA-600/8-85-023, NTIS PB86-104122, September 1985.

U.S. EPA, 1986: U.S. Environmental Protection Agency, "National Air Pollutant Emission Estimates, 1940-1984," EPA-450/4-85-014, NTIS PB86-121100, January 1986.

APPENDIX A

CODE LISTS FOR DATA FILES

TABLE A-1. PRIME MOVER

Code	Type
0	No data
1	Fossil steam (boiler)
2	Geothermal
3	Conventional hydroelectric
4	Pumped storage hydroelectric
5	Nuclear steam
6	Internal combustion
7	Combined cycle
8	Combustion turbine
9	Exotic
10	Cogeneration*

* for new units only, not provided in AUSM inventories

TABLE A-2. PLANT TECHNOLOGY CODE

0 no data

Combustion Turbines

1 natural gas combustion turbine (peaking)
2 distillate oil combustion turbine (peaking)
3 residual oil combustion turbine (peaking)
4 hydro - pumped storage

Conventional Steam

5 conventional natural gas steam
6 conventional distillate oil steam
7 conventional residual oil steam
8 conventional solvent refined coal

Combined Cycle

9 natural gas combined cycle
10 distillate oil combined cycle
11 residual oil combined cycle
12 pressurized fluidized bed combined cycle
13 gasification combined cycle
14 gasification combined cycle - new construction

Conventional Steam

15 coal steam
16 light water reactor (nuclear steam)

Atmospheric Fluidized Bed

17 bituminous fluidized bed
18 subbituminous fluidized bed

Renewables and Other

19 hydroelectric dam
20 not used
21 geothermal
22 dispersed fuel cells
23 solar central receiver
24 municipal refuse

TABLE A-3. BOTTOM TYPE CODES

Code	Type
0	No data
1	Wet
2	Dry

TABLE A-4. FIRING TYPE CODES

Code	Type
0	N/A or no data
1	Wall
2	Opposed
3	Tangential
4	Spreader stoker
5	Cyclone

TABLE A-5.FUEL TYPE CODES

Code	Type
0	N/A or no data
1	Coal
2	Residual oil
3	Distillate oil
4	Natural gas
5	(unused)*
6	Nuclear fuel
7	Other

* This code was assigned to gasoline by the URGE team. There are no utility plants in NURF which use gasoline.

TABLE A-6. COAL SUPPLY REGIONS

Code	State - District	BOM District of Origin Number
1	Pennsylvania - East	1
2	Pennsylvania - West	2
3	Maryland - West	1
4	West Virginia - East	1
5	West Virginia - North	3
6	West Virginia - Panhandle	6
7	West Virginia - Southeast	7
8	West Virginia - Southwest	8
9	Ohio	4
10	Virginia - East	7
11	Virginia - West	8
12	Kentucky - East	8
13	Kentucky - West	9
14	Tennessee - North	8
15	Tennessee - South	13
16	Illinois	10
17	Indiana	11
18	Iowa	12
19	Alabama	13
20	Arkansas	14
21	Oklahoma - East	14
22	Oklahoma - West	15
23	Kansas	15
24	Missouri	15
25	Texas	15
26	Colorado - North	16
27	Colorado - South	17
28	New Mexico - Northeast	17
29	New Mexico - West	18
30	Arizona	18
31	Wyoming	19
32	Utah	20
33	North Dakota	21
34	Montana	22
35	Washington State	23
36	Other	N/A

TABLE A-7. REGULATORY CATEGORIES

Code		Type
1	S	SIP
2	N	NSPS
3	R	RNSPS
4	L	LOCAL

TABLE A-8. SO_2 CONTROL EQUIPMENT CODES

Code	Type
0	None or no data
1	Wet limestone scrubber
2	Dry limestone scrubber
3	Magnesium oxide
4	Sodium carbonate
5	Alkaline fly ash
6	Sodium sulfite scrubbing
7	Sulfuric acid plant
8	Absorption column
9	Spray tower
10	Dual alkali scrubber
11	Venturi scrubber
12	Catalytic oxidation - FGD
13	Fabric filter

TABLE A-9. NO_x CONTROL EQUIPMENT CODES

Code	Type
0	None or no data
1	Burners out of service
2	Derating
3	Fuel switching
4	Flue gas recirculation
5	Low NO_x burner
6	Overfire air
7	Off-stoichiometric firing
8	Reduced air preheat
9	Water injection
10	Steam injection
11	Ammonia injection
12	Selective catalytic reduction
13	Scrubber

TABLE A-10. TSP CONTROL EQUIPMENT CODES

Code	Type
0	None or no data
1	Mechanical collector
2	Hot-side electrostatic precipitator (ESP)
3	Cold-side ESP
4	Combination mechanical/ESP
5	Baghouse
6	Wet Scrubber
7	Afterburner
8	Absorption column

TABLE A-11. COMPARISON OF FUEL-BASED QUANTITY BURNED AND HEATING VALUE UNITS

	NURF, NAPAP*	Unit Inventory, Form 767
Quantity Units		
Coal	ton	1000 ton
Oil	1000 gal	1000 bbl
Gas	MMcf	MMcf
Heating Value Units		
Coal	MMBtu/ton	Btu/lb
Oil	MMBtu/1000 gal	Btu/gal
Gas	MMBtu/MMcf	Btu/cf

*Called SCC Units.

TABLE A-12. SOURCE CLASSIFICATION CODE RELATIONSHIPS

Prime Mover and Fuel	Firing Type	Bottom Type	SCC
1 Fossil Steam (Boiler)			
1 Coal			
Bituminous	0 No data	0 No data	10100202
		1 Wet	10100201
		2 Dry	10100202
	1 Wall	0 No data	10100202
		1 Wet	10100201
		2 Dry	10100202
	2 Opposed	0 No data	10100202
		1 Wet	10100201
		2 Dry	10100202
	3 Tangential	0 No data	10100212
		1 Wet	10100201
		2 Dry	10100212
	4 Stoker	All	10100204
	5 Cyclone	All	10100203
Subbituminous	1 No data	0 No data	10100222
		1 Wet	10100221
		2 Dry	10100222
	1 Wall	0 No data	10100222
		1 Wet	10100221
		2 Dry	10100222
	2 Opposed	0 No data	10100222
		1 Wet	10100221
		2 Dry	10100222
	3 Tangential	0 No data	10100226
		1 Wet	10100221
		2 Dry	10100226
	4 Stoker	All	10100224
	5 Cyclone	All	10100223
Lignite	0 No data	All	10100301
	1 Wall	All	10100301

TABLE A-12. (continued)

Prime Mover and Fuel	Firing Type	Bottom Type	SCC
1 Fossil Steam (Boiler)			
1 Coal			
Lignite	2 Opposed	All	10100301
	3 Tangential	All	10100302
	4 Stoker	All	10100306
	5 Cyclone	All	10100303
2 Residual oil	0 No data	All	10100401
	1 Wall	All	10100401
	2 Opposed	All	10100401
	3 Tangential	All	10100404
	4 Stoker	All	10100401
	5 Cyclone	All	10100401
3 Distillate oil	0 No data	All	10100501
	1 Wall	All	10100501
	2 Opposed	All	10100501
	3 Tangential	All	10100501
	4 Stoker	All	10100501
	5 Cyclone	All	10100501
4 Natural gas	0 No data	All	10100601
	1 Wall	All	10100601
	2 Opposed	All	10100601
	3 Tangential	All	10100604
	4 Stoker	All	10100601
	5 Cyclone	All	10100601
6 Internal Combustion			
3 Distillate oil	All	All	20100102
4 Natural gas	All	All	20100202
7 Combined Cycle			
3 Distillate oil	All	All	20100101
4 Natural gas	All	All	20100201
8 Combustion Turbine			
3 Distillate oil	All	All	20100101
4 Natural gas	All	All	20100201

APPENDIX B

FILE LAYOUT FOR THE 1985 EXISTING UNIT INVENTORY DATA FILE

This appendix presents the layout of the existing unit data file. Because it is in card image, it can be used on almost all available computer systems. The formats of numeric data are designed to be accessible to any mathematically-oriented computer language including FORTRAN and PL/I.

The file consists of three components, a documentation preamble, a set of counters identifying the number of units in each, and the data. Table B-1 describes the format of the documentation preamble and state unit frequency counters, and Table B-2 describes the format of the data file. The information in Table B-2 is also included as part of the documentation preamble in the distribution file.

TABLE B-1. FILE LAYOUT FOR EXISTING UNIT DATA FILE PREAMBLE

Card	Columns	FORTRAN Format	Contents
1	1-3	I3	Counter with number of lines of comments
2 - n	1-80	A80	Comment cards (n is 1 plus the counter from card 1)
n+1 - n+5	1-72	24I3	The number of units in each state by FIPS code (i.e., FIPS code, number of units, FIPS code, number of units, etc.); space is provided for 60 states.

TABLE B-2. AUSM EXISTING UNIT DATA FILE LAYOUT

RECORD	COLUMNS	FORMAT	VARIABLE	CONTENTS
1	1 - 5	I5	USEQ	UNIT SEQUENCE NUMBER
	6 - 10	I5	ORISPL	DOE PLANT CODE (ORIS)
	11 - 14	A4	UNITX	UNIT ID CODE (LEFT JUSTIFIED)
	15 - 21	F7.2	MULT	UNIT MULTIPLIER (SHARE OWNED)
	22 - 23	I2	LOCST	FIPS STATE CODE
	24 - 26	I3	LOCCTY	FIPS COUNTY CODE
	27 - 28	I2	N/A	FIPS OWNER STATE (NOT IMPLEMENTED)
	29 - 33	I5	ORISR	DOE OLD UTILITY CODE (ORIS)
	34 - 35	I2	N/A	DISPATCH REGION CODE (NOT IMPLEMENTED)
	36 - 38	X3		
	39 - 62	A24	PNAME	PLANT NAME
	63 - 67	F5.2	RFACTOR	SCRUBBER RETROFIT FACTOR
	68 - 77	I10	NAPID	NEDS PLANT ID CODE
	78 - 79	A2	POINT_ID	NEDS POINT ID CODE
2	1 - 3	X3		
	4	I1	PRIME	PRIME MOVER
	5 - 7	I3	TCODE	TECHNOLOGY CODE
	8 - 13	F6.0	HTRATE	UNIT HEAT RATE (BTU/KWH)
	14 - 18	F5.0	NETDC	NAMEPLATE CAPACITY (MW)
	19 - 23	F5.0	NETDC	CURRENT CAPACITY (MW NET PENALTIES)
	24 - 27	X4		
	28 - 31	F4.2	CFACT	CURRENT CAPACITY FACTOR (FRACTION)
	32 - 35	F4.2	N/A	UNIT AVAILABILITY (FRACTION)
	36 - 43	F8.1	GENER	GENERATION (GWH)
	44 - 45	I2	BNUM	BOTTOM TYPE CODE
	46 - 47	I2	FNUM	FIRING TYPE CODE
	48 - 52	F5.1	N/A	NONFUEL VARIABLE O&M COSTS (MILLS/KWH)
	53 - 55	X3		
	56 - 59	I4	YRONL	YEAR ON-LINE
	60 - 63	I4	YRRETDT	RETIREMENT YEAR
3	1 - 3	X3		
	4 - 5	I2	FUEL1	PRIMARY FUEL CODE
	6 - 11	I6	HEAT1	PRIMARY FUEL HEATING VALUE*
	12 - 15	F4.1	SULF1	PRIMARY FUEL SULFUR CONTENT (FRACTION)
	16 - 19	F4.1	ASH1	PRIMARY FUEL ASH CONTENT (FRACTION)
	20 - 25	F6.1	FCOST1	PRIMARY FUEL DELIVERED PRICE (CENTS/MMBTU)
	26 - 32	F7.1	QUAN1	PRIMARY FUEL QUANTITY CONSUMED*
	33 - 40	F8.1	QCF1	PRIMARY FUEL CONSUMED AT CF=1.0*
	41 - 43	X3		
	44 - 47	F4.2	HFRAC	BTU FRACTION OF FIRST COAL USE
	48 - 53	I6	BTU	FIRST COAL HEATING VALUE*
	54 - 57	F4.1	SULF	FIRST COAL SULFUR CONTENT (FRACTION)
	58 - 60	F4.1	ASH	FIRST COAL ASH CONTENT (FRACTION)
	62 - 67	F6.1	COST	FIRST COAL DELIVERED PRICE (CENTS/MMBTU)
	68 - 69	I2	ORIGIN	FIRST COAL SUPPLY REGION

(continued)

TABLE B-2. (continued)

RECORD	COLUMNS	FORMAT	VARIABLE	CONTENTS
4	1 - 3	X3		
	4 - 7	F4.2	SHFRAC	BTU FRACTION OF SECOND COAL USE
	8 - 13	I6	SBTU	SECOND COAL HEATING VALUE*
	14 - 17	F4.1	SSULF	SECOND COAL SULFUR (FRACTION)
	18 - 21	F4.1	SASH	SECOND COAL ASH (FRACTION)
	22 - 27	F6.1	SCOST	SECOND FUEL DELIVERED PRICE (CENTS/MMBTU)
	28 - 29	I2	SORIGIN	SECOND COAL SUPPLY REGION
	30 - 32	X3		
	33 - 34	I2	FUEL2	SECONDARY FUEL CODE
	35 - 40	I6	HEAT2	SECONDARY FUEL HEATING VALUE*
	41 - 44	F4.1	SULF2	SECONDARY FUEL SULFUR (FRACTION)
	45 - 48	F4.1	ASH2	SECONDARY FUEL ASH (FRACTION)
	49 - 54	F6.1	FCOST2	SECONDARY FUEL COST (CENTS/MMBTU)
	55 - 61	F7.1	QUAN2	SECONDARY FUEL QUANTITY CONSUMED*
5	1 - 3	X3		
	4	I1	SO2CAT	SO2 REGULATORY CATEGORY
	5 - 10	F6.1	SO2EMLIM	SO2 EMISSION LIMIT (LBS/MMBTU)
	11 - 16	F6.1	N/A	MODELING SO2 STANDARD (LBS/MMBTU)
	17 - 21	I5	N/A	SO2 COMPLIANCE YEAR
	22 - 24	X3		
	25	I1	TSPCAT	TSP REGULATORY CATEGORY
	26 - 31	X6		
	32 - 37	F6.2	N/A	MODELING TSP STANDARD (LBS/MMBTU)
	38 - 42	I5	N/A	TSP COMPLIANCE YEAR
	43 - 45	X3		
	46	I1	NOXCAT	NOX REGULATORY CATEGORY
	47 - 52	X6		
	53 - 58	F6.1	N/A	MODELING NOX STANDARD (LBS/MMBTU)
	59 - 63	I5	N/A	NOX COMPLIANCE YEAR

(continued)

TABLE B-2. (continued)

RECORD	COLUMNS	FORMAT	VARIABLE	CONTENTS
6	1 - 2	X2		
	3 - 4	I2	SO2CNTL	SO2 CONTROL DEVICE
	5 - 9	F5.2	SO2EFF	SO2 CONTROL EFFICIENCY (%)
	10 - 14	F5.2	N/A	SO2 DEVICE GAS BYPASS (%)
	15 - 19	F5.2	SO2RTE	SO2 EMISSION RATE (LBS/MMBTU)
	20 - 22	X3		
	23 - 24	I2	NOXCNTL1	PRIMARY NOX CONTROL DEVICE
	25 - 26	I2	NOXCNTL2	SECONDARY NOX CONTROL DEVICE
	27 - 31	F5.2	NOXEFF	NOX CONTROL EFFICIENCY (%)
	32 - 36	F5.2	NOXRTE	NOX EMISSION RATE (LBS/MMBTU)
	37 - 39	X3		
	40 - 41	I2	TSPCNTL	TSP CONTROL DEVICE
	42 - 46	F5.2	TSPEFF	TSP CONTROL EFFICIENCY (%)
	47 - 51	F5.2	TSPRTE	TSP EMISSION RATE (LBS/MMBTU)
	52 - 58	F7.5	N/A	TOTAL VARIABLE COST ASSOCIATED WITH POLLUTION CONTROL ($/KWH)
	59	I1	FUTSO2	FUTURE SCRUBBER PLANNED? (1=YES)
	60 - 63	I4	SO2YYMM	FUTURE SCRUBBER DATE ON-LINE (YYMM)
	64 - 68	F5.2	FUTSEF	FUTURE SCRUBBER REMOVAL EFFICIENCY (%)
7	1 - 5	I5	UCODE	OPERATING UTILITY CODE
	6 - 25	A20	UTILNAME	OPERATING UTILITY NAME
	26 - 30	I5	OWNRNM01	PRIMARY OWNER UTILITY CODE
	31 - 32	A2	OWNRST01	PRIMARY OWNER STATE (POSTAL CODE)
	33 - 37	F5.2	OWNRPR01	OWNERSHIP BY PRIMARY OWNER (%)
	38 - 42	I5	OWNRNM02	SECONDARY OWNER UTILITY CODE
	43 - 44	A2	OWNRST02	SECONDARY OWNER STATE (POSTAL CODE)
	45 - 49	F5.2	OWNRPR02	OWNERSHIP BY SECONDARY OWNER (%)
	50 - 54	I5	OWNRNM03	TERTIARY OWNER UTILITY CODE
	55 - 56	A2	OWNRST03	TERTIARY OWNER STATE (POSTAL CODE)
	57 - 61	F5.2	OWNRPR03	OWNERSHIP BY TERTIARY OWNER (%)

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*See Table A-11 for information on SCC units used by fuel type.

APPENDIX C

FILE LAYOUT FOR THE 1985 ANNOUNCED INVENTORY DATA FILE

This appendix presents the announced inventory file layout. As with the existing unit data file, the announced inventory is in card image format.

The announced inventory consists of three components, a documentation preamble, a set of state unit frequency counters, and the data. Table C-1 describes the format of the documentation preamble and state unit frequency counters, and Table C-2 describes the format of the data file. The information in Table C-2 is also included as part of the documentation preamble in the distribution file.

TABLE C-1. FILE LAYOUT FOR ANNOUNCED INVENTORY PREAMBLE

Card	Columns	FORTRAN Format	Contents
1	1-3	I3	Counter with number of lines of comments
2 - n	1-80	A80	Comment cards (n is 1 plus the counter from card 1)
n+1 - n+5	1-72	24I3	The number of units in each state by FIPS code (i.e., FIPS code, number of units, FIPS code, number of units, etc.); space is provided for 60 states.

TABLE C-2. ANNOUNCED INVENTORY FILE LAYOUT

RECORD	COLUMNS	FORMAT	VARIABLE	CONTENTS
1	1 - 5	I5	USEQ	UNIT SEQUENCE NUMBER
	6 - 10	15	ORISPL	DOE PLANT CODE (ORIS)
	11 - 14	A4	UNITX	UNIT ID CODE (LEFT JUSTIFIED)
	15 - 20	F6.2	MULT	UNIT MULTIPLIER (SHARE OWNED ALWAYS=1.0)
	21 - 22	I2	LOCST	FIPS STATE CODE
	23 - 25	I3	LOCCTY	FIPS COUNTY CODE
	26 - 27	I2	N/A	FIPS OWNER STATE
	28 - 32	I5	ORISR	DOE OLD UTILITY CODE (ORIS)
	33 - 34	I2	N/A	DISPATCH REGION CODE
	35 - 37	X3		
	38 - 61	A24	PNAME	PLANT NAME
2	1 - 3	X3		
	4	I1	PRIME	PRIME MOVER
	5 - 7	I3	TCODE	TECHNOLOGY CODE
	8 - 13	I6	N/A	UNIT HEAT RATE (BTU/KWH)
	14 - 18	F5.0	NETDC	NAMEPLATE CAPACITY (MW)
	19 - 23	F5.0	NETDC	CURRENT CAPACIIY (MW NET PENALTIES)
	24 - 26	F3.2	N/A	MODELING MAXIMUM CAPACITY FACTOR (FRACTION)
	27 - 29	F3.2	CFACT	CURRENT CAPACITY FACTOR (FRACTION)
	30 - 32	I3	N/A	UNIT AVAILABILITY (FRACTION)
	33 - 39	F7.1	GENER	GENERATION, CURRENT YEAR (GWH)
	40 - 41	I2	BNUM	BOTTOM TYPE CODE
	42 - 43	I2	FNUM	FIRING TYPE CODE
	44 - 47	I4	N/A	NONFUEL VARIABLE O&M COSTS (MILLS/KWH)
	48 - 50	X3		
	51 - 54	I4	YRONL	YEAR ON-LINE
	55 - 58	I4	N/A	RETIREMENT YEAR
	59	I1	SO2CAT	SO2 REGULATORY CATEGORY
	60	I1	TSPCAT	TSP REGULATORY CATEGORY
	61	I1	NOXCAT	NOX REGULATORY CATEGORY
3	1 - 5	I5	UCODE	OPERATING UTILITY CODE
	6 - 25	A20	UTILNAME	OPERATING UTILITY NAME
	26 - 30	I5	OWNRNM01	PRIMARY OWNER UTILITY CODE
	31 - 32	A2	OWNRST01	PRIMARY OWNER STATE (POSTAL CODE)
	33 - 37	F5.2	OWNRPR01	OWNERSHIP BY PRIMARY OWNER (%)
	38 - 42	I5	OWNRNM02	SECONDARY OWNER UTILITY CODE
	43 - 44	A2	OWNRST02	SECONDARY OWNER STATE (POSTAL CODE)
	45 - 49	F5.2	OWNRPR02	OWNERSHIP BY SECONDARY OWNER (%)
	50 - 54	I5	OWNRNM03	TERTIARY OWNER UTILITY CODE
	55 - 56	A2	OWNRST03	TERTIARY OWNER STATE (POSTAL CODE)
	57 - 61	F5.2	OWNRPR03	OWNERSHIP BY TERTIARY OWNER (%)

APPENDIX D

SOURCES OF ANNOUNCED UNIT DATA

Cincinnati Gas and Electric Annual Report, 1987.

Minnesota Power 1987 Annual Report.

North American Electric Reliability Council, "1985 Electric Power Supply & Demand, for 1985-1994," 1985.

North American Electric Reliability Council, "1986 Electric Power Supply & Demand, 1986-1995," October 1986.

North American Electric Reliability Council, "1987/88 Winter Assessment of Overall Reliability of Bulk Power Supply in the Electric Utility Systems of North America," November 1987.

Nuclear News, "World List of Nuclear Power Plants," February 1988.

Power, miscellaneous articles, January 1987 to May 1988.

Public Utilities Fortnightly, miscellaneous articles, January 1988 to June 1988.

U.S. Department of Energy, Energy Information Administration, "Steam-Electric Plant Operation and Design Report," EIA-767 data file, 1985.

U.S. Department of Energy, Energy Information Administration, "Inventory of Power Plants in the United States 1986," August 1987.

U.S. Department of Energy, Energy Information Administration, "Inventory of Power Plants in the United States 1985," DOE/EIA-0095(85) August 1986.

U.S. Department of Energy, Energy Information Administration, "Electric Power Annual 1986," DOE/EIA-0348(86) September 1987.

Wall Street Journal, miscellaneous articles, January 1988 to June 1988.

Washington Post, miscellaneous articles. January 1988 to June 1988.

APPENDIX E

CONCORDANCE FILES

Table E-1

IDBS UCODE-DOE Form 759 ORISR Utility Code and Name Concordance File

ORISR	Form 759 Utility Name	UCODE	IDBS Utility Name
50001	Mcgrath Light & Power Co	12119	McGrath Light & Power Co
50002	Ashland, City of	911	Ashland City of
50003	Citizens Utilities Company	3611	Citizens Utilities Co
50004	Kauai Electric Company	10054	Kauai Electric Co
50005	Northeast Nuclear Energy Co	21687	Northeast Nuclear Energy Co
50006	Jasper Mun Lt & Pwr Plant	9667	Jasper City of
50007	Superior Water Lt & Pwr Co.	18336	Superior Water Light&Power Co
50008	Oklahoma Ordance Works Authority	14062	Oklahoma Electric Coop Inc
50010	Texas Util/Texas Utilities Elec Co	18716	Texas Utilities Generating Co
50011	Wolverine Power Supply Coop, Inc	20910	Wolverine Pwr Supply Coop Inc
50012	Livingston Montana City of	26232	Livingston City of
50013	North American Hydro	13666	North American Hydro Inc
50014	Osceola Power & Light	14216	Osceola City of
50015	Gilman Bros Co	6885	Gilman Brothers Co
50017	Aitkin Public Utilities Comm	174	Aitkin Public Utilities Comm
50021	Alabama Elec Coop, Inc	189	Alabama Electric Coop Inc
50022	SO CO:Alabama Power Co	195	Alabama Power Co
50026	Alaska Electric Lt & Pwr Co	213	Alaska Electric Light&PowerCo
50027	Alaska Power Administration	220	Alaska Power Administration
50028	Alaska Power and Telephone Company	219	Alaska Power & Telephone Co
50030	Alaska Village Electric Coop, Inc	221	Alaska Village Elec Coop Inc
50031	Albany City of	228	Albany City of
50036	Tideland E.M.C.	19108	Tideland Electric Member Corp
50039	Alcoa Generating Corporation	26[illegible]	Alcoa Generating Corp
50042	Alexandria Bd of Public Works	295	Alexandria City of
50043	Alexandria Elec Lt & Pr Dept	298	Alexandria City of
50048	Algona Municipal Utilities	309	Algona City of
50054	Alliance, City of	367	Alliance City of
50059	Alpena Power Co	392	Alpena Power Co
50061	Alta Mun Elec Lt & Pwr Plt Sys	405	Alta City of
50069	AEP/American Electric Power Co, Inc	488	American Electric Power Inc
50070	Ames, City of Electric Utility	554	Ames City of
50076	Anchorage Mun Lt & Pwr Dept	599	Anchorage City of
50082	Anita Municipal Utilities	682	Anita City of
50085	Ansley Municipal Light Plant	695	Ansley City of
50087	Anthony City of	701	Anthony City of
50094	Arcadia Mun Electric Utility	764	Arcadia City of
50096	Arcanum Water & Light Plant	768	Arcanum City of
50099	Arizona Electric Pwr Coop, Inc	796	Arizona Electric Pwr Coop Inc
50101	Arizona Public Service Company	803	Arizona Public Service Co
50103	Arkansas Electric Coop Corp	807	Arkansas Electric Coop Corp
50105	MID SO:Arkansas Power & Light Co	814	Arkansas Power & Light Co
50112	Arnold Municipal Plant	871	Arnold Village of
50121	Associated Electric Coop, Inc	924	Associated Electric Coop Inc
50125	Kirby Power Commission	967	Atlanta Power Co Inc
50126	Deepwater Operating Company	4983	Deepwater Operating Co
50127	Atlantic Mun Utilities	965	Atlantic City of
50128	Attica City of	989	Attica City of
50129	Auburn, City of Board of Public Wks	993	Auburn City of
50132	Augusta, City of	998	Augusta City of
50133	Augusta Light and Water Plant	1000	Augusta City of
50135	Austin Electric Dept	1015	Austin City of
50137	Austin Utilities	1009	Austin City of
50142	Aztec City of	1046	Aztec City of
50144	BARC Electric Cooperative	1062	BARC Electric Coop Inc
50152	Baldwin City of	1148	Baldwin City City of
50154	Baltimore Gas & Electric Co	1167	Baltimore Gas & Electric Co
50156	Bancroft Mun Electric Plant	1172	Bancroft City of
50159	Bangor Hydro Electric Co	1179	Bangor Hydro-Electric Co

Table E-1. (continued)

ORISR	Form 759 Utility Name	UCODE	IDBS Utility Name
50168	Barnesville, City of (MN)	1233	Barnesville City of
50170	Barron Light & Water Dept	1278	Barron City of
50178	Barton Village Electric Dept	1299	Barton Village Inc
50180	Basin Electric Pwr Coop, Inc	1307	Basin Electric Power Coop
50186	Baudette Light & Water Dept	1353	Baudette City of
50197	Beaver City Corporation	1434	Beaver City Corp
50198	Beaver, City of	1435	Beaver City City of
50199	Bedford Electric Dept	1456	Bedford City of
50204	Belleville City of	1519	Bellville City of
50205	Bellevue Municipal Utilities	1515	Bellevue City of
50210	Beloit, City of	1525	Beloit City of
50214	Benkelman, City of	1554	Benkelman City of
50217	Benson Water Light Heat & Pwr Plt	1573	Benson City of
50222	Benton Electric Lgt and Pwr Dist	1581	Benton City of
50229	Berlin Electric Light Plant	1615	Berlin City of
50233	Bethany, City of Mun Lt & Wat	1647	Bethany City of
50236	Bethel Utilities Commission	1651	Bethel Utilities Corp Inc
50244	Big Rivers Electric Corporation	1692	Big Rivers Electric Corp
50256	Black Hills Pwr & Lt Co	19545	Black Hills Corp
50259	Black River Falls, City of	1776	Black River Falls City of
50264	Blair, City of Dept of Utilities	1814	Blair City of
50268	Blandin Power Company	1839	Blanding City of
50270	Block Island Power Co	1857	Block Island Power Co
50273	Bloomfield Mun Utilities	1869	Bloomfield City of
50274	Blooming Prairie Pub Utils Comm	1871	Blooming Prairie City of
50276	Blue Earth Lt & Wtr Dept	1883	Blue Earth City of
50282	Blue Ridge Electric Membership Corp	1889	Blue Ridge Elec Member Corp
50289	Bonners Ferry, City of Lt & Wtr Dpt	1956	Bonners Ferry City of
50300	Boston Edison Company	1998	Boston Edison Co
50302	Bountiful City Light & Power	2010	Bountiful City City of
50303	Bowersock Mills & Power Co	2048	Bowersock Mills & Power Co
50312	Brady Water & Light Works	2135	Brady City of
50315	Braintree Electric Light Dept	2144	Braintree Town of
50318	Brazos Elec Pwr Coop, Inc	2172	Brazos Electric Power CoopInc
50319	Brazos River Authority	2176	Brazos River Authority
50322	Breese, City of	2188	Breese City of
50332	Brigham City Corporation	2220	Brigham City Corp
50339	Broken Bow Mun Utilities	2277	Broken Bow City of
50341	Brooklyn Mun Utilities	2287	Brooklyn City of
50348	Brownfield Mun Pr & Lt Plant	2404	Brownfield City of
50349	Brownsville, City of Pub Utils Brd	2409	Brownsville City of
50354	Bryan, City of	2442	Bryan City of
50356	Bryan Municipal Light & Water Works	2439	Bryan City of
50357	Bryant Light & Power Plant	2448	Bryant City of
50359	Buckeye Power, Inc	7004	Buckeye Power Inc
50366	Buhl Public Utilities Dept	2491	Buhl City of
50367	Burbank Public Service Department	2507	Burbank City of
50372	Burlingame City of	2547	Burlingame City of
50373	Burlington City of	2553	Burlington City of
50375	Burlington Electric Light Dept	2548	Burlington City of
50376	Burlington City of	2550	Burlington City of
50381	Burwell Municipal Utilities	2609	Burwell City of
50383	Bushnell Mun Elec Lt & Pwr Util	2634	Bushnell City of
50386	Butler Light & Water Service	2647	Butler City of
50399	Cajun Elec Power Coop, Inc	2777	Cajun Electric Power Coop Inc
50407	CA State Dept of Water Resources	3255	California Dept-Wtr Resources
50409	Callaway Mun Elec Utilities	2859	Callaway Village of
50412	Commonwealth Energy Sys	412[illegible]	Commonwealth Energy System
50413	Cambridge Lt & Water Works	288[illegible]	Cambridge City of
50415	Cameron Mun Lt & Water Dept	2900	Cameron City of
50417	Campell Lt & Pwr	2930	Campbell City of
50418	Campbell Municipal Elec Dept	2931	Campbell Village of
50421	Commonwealth Energy Sys	2951	Canal Electric Co

Table E-1. (continued)

ORISR	Form 759 Utility Name	UCODE	IDBS Utility Name
50423	Caney Valley Elec Coop Assn, Inc	2961	Caney Valley El Coop Assn Inc
50430	Cape Hatteras Elec Membership Corp	2982	Cape Hatteras Elec MemberCorp
50438	Carlyle Municipal Utilities	3037	Carlyle City of
50440	Carmi Light & Water	3040	Carmi City of
50441	Carolina Power & Light Co	3046	Carolina Power & Light Co
50447	Carrollton Municipal Utilities	3082	Carrollton City of
50450	Carthage Water & Elec Plant	3113	Carthage City of
50452	Cascade Mun Elec Plant	3137	Cascade City of
50453	Utilities Holding Company	27471	Utilities Holding Co
50463	Cavalier, City of Lt & Wtr Plant	3186	Cavalier City of
50467	Cedar Falls Utilities	3203	Cedar Falls City of
50472	Cedarburg Lt & Wtr Comm	3208	Cedarburg Light & Water Comm
50474	Center Mun Lt & Pwr	3227	Center City of
50481	Central Electric Power Coop	40218	Central Electric Pwr Coop Inc
50484	Central Hudson Gas & Elec Corp	3249	Central Hudson Gas & ElecCorp
50485	Central Illinois Light Co	3252	Central Illinois Light Co
50486	Central Illinois Public Service Co	3253	Central Illinois Pub Serv Co
50487	Central Iowa Power Coop	3258	Central Iowa Power Coop
50489	Midwest Energy, Inc.	12524	Midwest Energy Inc
50490	Central Louisiana Elec Co, Inc	3265	Central Louisiana Elec Co Inc
50491	Central Maine Power Company	3266	Central Maine Power Co
50494	Central Nebraska Pub Pwr & Irr Dist	3271	Central Nebraska Pub P&I Dist
50496	Cen & Sw:Central Power & Light Co	3278	Central Power & Light Co
50500	Centel Corporation (KS)	3285	Centel Corp
50503	Central Vermont Pub Serv Corp	3292	Central Vermont Pub Serv Corp
50506	Centralia Mun Hydro-Elec Plant	3295	Centralia City of
50514	Chanute, City of	3355	Chanute City of
50516	Chappel City of	3373	Chappell City of
50525	Chelan County P U D No 1	3413	PUD No 1 of Chelan County
50531	Cherokee Light & Power Dept.	3425	Cherokee City of
50543	Cheyenne Lt, Fuel & Power Co	3461	Cheyenne Light Fuel & PowerCo
50544	Chicago the Metropolitan Sanita	12389	Metropolitan District Comm
50546	Chillicothe Municipal Utilities	3486	Chillicothe City of
50552	Chugach Electric Assn, Inc	3522	Chugach Electric Assn Inc
50556	Cincinnati Gas & Electric Co	3542	Cincinnati Gas & Electric Co
50560	Citizens Utilities Co	3611	Citizens Utilities Co
50570	Clarksdale Water & Light Dept	3702	Clarksdale City of
50577	Clay Center Mun Lt & Water Plant	3710	Clay Center City of
50587	Cleveland Elec Illum Co, The	3755	Cleveland Electric Illum Co
50589	Cleveland Publ Utils Dept	3762	Cleveland City of
50594	Clinton, Village of	3813	Clinton Village of
50596	Cloverland Electric Coop (MI)	3828	Cloverland Electric Coop
50610	Coffeyville Mun Lt Dept	3892	Coffeyville City of
50611	Coggan Municipal Light Plant	3900	Coggon City of
50612	Colby Mun Wtr & Lt Plant	3913	Colby City of
50613	Coldwater, City of Bd of Pub Utils	3915	Coldwater City of
50614	Coleman, City of	3923	Coleman City of
50622	Colorado Springs, City of	3989	Colorado Springs City of
50623	Colorado-UTE Elec Assn, Inc	3994	Colorado-Ute Electric AssnInc
50631	Columbia Water & Light Dept	4045	Columbia City of
50633	Columbus & Southern Ohio Elec Co	4062	Columbus & Southern Ohio ElCo
50635	Columbus, Div of Electricity	4065	Columbus City of
50643	Commonwealth Edison Company	4110	Commonwealth Edison Co
50645	Texas-New Mexico Power Co	40051	Texas-New Mexico Power Co
50651	NE Util:Conn Light & Power Co	4176	Connecticut Light & Power Co
50652	Connecticut Yankee Atomic Pwr Co	4187	Connecticut Yankee Atom PwrCo
50653	Consolidated Edison Co of N Y, Inc	4226	Consolidated Edison Co-NY Inc
50655	Consolidated Water Power Company	4247	Consolidated Water Power Co
50658	Consumers Power Company	4254	Consumers Power Co
50665	Coon Rapids Mun Utilities	4305	Coon Rapids City of
50668	Cooperative Power Association	4322	Coop Power Assn
50672	Copper Valley Electric Assn, Inc	4329	Copper Valley Elec Assn Inc
50676	Cordova Electric Cooperative	40215	Cordova Electric Coop Inc

Table E-1. (continued)

ORISR	Form 759 Utility Name	UCODE	IDBS Utility Name
50678	Corn Belt Power Coop	4363	Corn Belt Power Coop
50682	Corning Municipal Utilities	4375	Corning City of
50693	Craig-Botetourt Electric Coop	4471	Craig-Botetourt Electric Coop
50698	Crawfordsville Elec Lt & Pwr Util	4508	Crawfordsville Elec Lgt&PwrCo
50703	Crete, City of Elec & Water Dept	4527	Crete City of
50704	Crisp County Power Commission	4538	Crisp County Power Comm
50710	Crystal Falls, City of Lt & Wtr	4604	Crystal Falls City of
50716	Culpeper Town of	4619	Culpeper Town of
50717	Cumberland Municipal Utility	4627	Cumberland City of
50720	Curtis, City of	4661	Curtis City of
50721	Cushing, City of	4667	Cushing City of
50731	Dahlberg Light & Power Co	4715	Dahlberg Light & Power Co
50733	Dairyland Power Cooperative	4716	Dairyland Power Coop
50741	Danville Water, Gas & Elec Dept	4794	Danville City of
50752	Dayton Power & Light Company, the	4922	Dayton Power & Light Co
50753	Dayton Light & Power	4919	Dayton City of
50765	Delano Municipal Power Plant	5015	Delano City of
50769	Delmarva Power & Light Co. of Del	5027	Delmarva Power & Light Co
50770	Delta City of	5036	Delta City of
50773	Denison Municipal Utilities	5056	Denison City of
50775	Denton Municipal Utilities	5063	Denton City of
50776	Denver, City & County of	5068	Denver City & County of
50781	Detroit, City of Pub Lighting Dept	5017	Delaware Rural Elec Coop Inc
50782	Detroit Edison Company, The	5109	Detroit Edison Co
50783	Detroit Lakes, City of	5111	Detroit Lakes City of
50785	Hydro Development Group Inc.	9145	Hydro Development Group Inc
50802	Douglas County Pud No 1	5326	PUD No 1 of Douglas County
50806	Dover Elec Lt & Power Plant	5336	Dover City of
50807	Dover Electric Department (DE)	5335	Dover City of
50809	Dowagiac Dept of Public Service	5343	Dowagiac City of
50816	Duke Power Company	5416	Duke Power Co
50827	Duquesne Light Company	5487	Duquesne Light Co
50829	Durant Municipal Electric Plant	5529	Durant City of
50835	East Bay Mun Utility District	5571	East Bay Municipal Util Dist
50841	East Kentucky Power Cooperative	5580	East Kentucky Power Coop Inc
50847	Central Iowa Power Cooperative	5605	Eastern Iowa Light&Power Coop
50848	Eastern Maine Elec Coop, Inc	5609	Eastern Maine Electric Coop
50851	Easton Utilities Commission, The	5625	Easton Utilities Comm
50862	Edison Sault Electric Co	5659	Edison Sault Electric Co
50868	El Paso Electric Company	5701	El Paso Electric Co
50876	Electra City of	5744	Electra City of
50877	Electric Energy, Inc	5748	Electric Energy Inc
50885	Elk River Municipal Utilities	5773	Elk River City of
50893	Ellinwood Lt & Water	5802	Ellinwood City of
50894	Ellis Mun Lt & Water	5817	Ellis City of
50899	Elroy, City of Mun Elec & Wtr Dept	5834	Elroy City of
50903	Emerson Light & Power Plant	5850	Emerson City of
50904	Empire District Electric Co	5860	Empire District Electric Co
50910	Enosburg Falls Inc Village of	5915	Enosburg Falls Village of
50912	Ephraim City Corporation	5932	Ephraim City of
50917	Erie Water & Light	5957	Erie City of
50922	Escondido Mutual Wtr Co	5969	Escondido Mutual Water Co
50924	Estes Park, Town of	5997	Estes Park Town of
50925	Estherville, City of Mun Elec Util	5998	Estherville City of
50929	Eugene Water & Electric Board	6022	Eugene City of
50936	Fairbanks Mun Utilities System	6129	Fairbanks City of
50938	Fairbury Light & Water Dept	6132	Fairbury City of
50939	Fairfax Mun Pwr Plant	6138	Fairfax City of
50941	Fairfield Municipal Light Plant	6141	Fairfield City of
50944	Fairmont Pub Util Comm	6151	Fairmont Public UtilitiesComm
50947	Fairview Light & Water Dept	6152	Fairview City of
50949	Fall River Rural Elec Coop, Inc	6169	Fall River Rural Elec CoopInc
50951	Falls City Water & Light Dept	6175	Falls City City of

Table E-1. (continued)

ORISR	Form 759 Utility Name	UCODE	IDBS Utility Name
50955	Farmer City, City of Light Plant	6192	Farmer City City of
50968	Farmington, City of Elec Util Sys	6204	Farmington City of
50970	Farmington River Pwr Co	6207	Farmington River Power Co
50975	Fayette Water & Light Plant	6231	Fayette City of
50978	Federated Rural Electric Assn	6258	Federated Rural Electric Assn
50980	Fennimore Municipal Utilities	6274	Fennimore City of
50989	Fishers Is Elec Corp ,The	6369	Fishers Island Electric Corp
50990	Fitchburg Gas & Elec Light Co	6374	Fitchburg Gas & Elec Light Co
51005	Florida Keys Elec Coop Assn Inc	6443	Florida Keys El Coop Assn Inc
51006	Florida Power & Light Company	6452	Florida Power & Light Co
51007	Florida Power Corporation	6455	Florida Power Corp
51008	Florida Public Utilities Co	6457	Florida Public Utilities Co
51010	Floydada, City of	6472	Floydada City of
51016	Forest City Municipal Utilities(IA)	6579	Forest City City of
51025	Fort Pierce Utilities Authority	6615	Fort Pierre City of
51029	Fort Wayne Mun Elec Lt & Pwr Works	6620	Fort Wayne City of
51031	Fosston Municipal Utilities	6627	Fosston City of
51045	Franklin Mun Lt & Wtr Plant (NE)	6723	Franklin City of
51054	Fredonia Lt & Pwr	6762	Fredonia City of
51056	Freeburg Mun Light Plant	6764	Freeburg Village of
51057	Freeport Electric Power System	6775	Freeport Village of Inc
51058	Fremont Dept of Utilities	6779	Fremont City of
51066	Fulton, City of (MO)	6839	Fulton City of
51070	Gainesville Regional Utilities	6909	Gainesville City of
51073	Gallatin Light & Water Works	6924	Gallatin City of
51080	Garkane Power Assn, Inc	6957	Garkane Power Assn Inc
51081	Garland, City of	6958	Garland City of
51083	Garnett city of	6965	Garnett City of
51093	Geneseo Municipal Utilities	7095	Geneseo City of
51100	SO CO:Georgia Power Co	7140	Georgia Power Co
51111	Girard City of	7257	Girard City of
51120	Glencoe Mun Electric Plant	7292	Glencoe City of
51121	Glendale Public Service Dept	7294	Glendale City of
51127	Golden Valley Elec Assn, Inc	7353	Golden Valley Elec Assn Inc
51135	Goodland Municipal Electric Dep	7374	Goodland City of
51137	Gouvernuer Elec Plt	7422	Gouverneur City of
51138	Gowrie Light & Water Plant	7424	Gowrie City of
51141	Graettinger Mun Light Plant	7443	Graettinger City of
51142	Grafton Light & Water Dept (ND)	7444	Grafton City of
51149	Grand Haven Board of Lt & Pwr	7483	Grand Haven City of
51150	Grand Island Water & Light Dept	7485	Grant City of
51151	Grand Junction Mun Lt Plant	7486	Grand Junction City of
51152	Grand Marais, Village of	7487	Grand Marais City of
51154	Grand River Dam Authority	7490	Grand River Dam Authority
51156	Granite Falls, City of (MN)	7494	Granite Falls Town of
51160	Grant County P U D No 2	14624	PUD No 2 of Grant County
51169	Green Mountain Power Corporation	7601	Green Mountain Power Corp
51176	Greenfield Municipal Utilities	7626	Greenfield City of
51177	Greenport Village of	7630	Greenport Village of
51178	Greensburg Mun Lt & Pwr	7631	Greensburg City of
51180	Greenville Electric Dept (TX)	7634	Greenville City of
51186	Greenwood Utilities Commission	7651	Greenwood Utilities Comm
51188	Gresham Mun Light Plant	7665	Gresham Village of
51199	Grundy Center Mun Lt & Pwr	7743	Grundy Center City of
51202	Guadalupe-Blanco River Auth	7751	Guadalupe Blanco River Auth
51206	Gueydan City of	7760	Gueydan Town of
51208	SO CO:Gulf Power Co	7801	Gulf Power Co
51209	Gulf States Utilities Company	7806	Gulf States Utilities Co
51218	Hagerstown Mun Elec Lt Plant (MD)	7908	Hagerstown City of
51219	Haines Light and Power Company	7913	Haines Light & Power Co Inc
51225	Hamilton, City of Dept of Pub Utils	7977	Hamilton City of
51238	Hardwick Electric Department	8104	Hardwick Village of
51241	Harlan Municipal Utilities	8122	Harlan City of

Table E-1. (continued)

ORISR	Form 759 Utility Name	UCODE	IDBS Utility Name
51253	Hart Hydro Electric Dept	8205	Hart Hydro City of
51257	Hartley, City of Mun Utilities	8214	Hartley City of
51259	Hastings Utilities	8245	Hastings City of
51264	Hawaiian Electric Company, Inc	19547	Hawaiian Electric Co Inc
51265	Hawarden, City of Mun Utilities	8288	Hawarden City of
51267	Hawley Public Utilities Comm	8307	Hawley Public Utilities Comm
51268	Haxtun City of	8311	Haxtun Town of
51273	Hearne Municipal Plant	8359	Hearne City of
51275	Heber Light & Power Plant	8366	Heber Light & Power Co
51282	Henderson Mun Pwr & Lt	8449	Henderson City of
51288	Herrington City of	8490	Herington City of
51290	Herndon City of	8497	Herndon City of
51294	Hibbing Public Utilities Comm	8543	Hibbing Public Utilities Comm
51296	Higginsville City of	8567	Higginsville City of
51298	Highland, City of Mun Lt & Pwr	8573	Highland City of
51302	Hill City, City of	8599	Hill City City of
51307	Hillsdale Board of Public Works(MI)	8631	Hillsdale City of
51308	Hawaii Electric Light Co, Inc	8287	Hawaii Electric Light Co Inc
51313	Hoisington City of	8703	Hoisington City of
51317	Holdrege Municipal Utility System	8717	Holdrege City of
51318	Holland Board of Public Works (MI)	8723	Holland City of
51320	Holly Town of	8751	Holly City of
51323	Holton City of	8770	Holton City of
51325	Holyoke Gas & Elec Dept (MA)	8774	Holyoke City of
51326	Holyoke Mun Pwr & Lt Plt	8777	Holyoke City of
51327	NE Util:Holyoke Water Power Co	8779	Holyoke Water Power Co
51331	Homer Electric Assn, Inc	19558	Homer Electric Assn Inc
51333	Homestead, City of	8795	Homestead City of
51339	Hoosier Energy, Ind Statewide Rec	9267	Hoosier Energy R E C Inc
51346	Horton City of	8871	Horton City of
51349	Houma Light & Water Plant (LA)	8884	Houma City of
51352	Houston Lighting & Power Co	8901	Houston Lighting & Power Co
51362	Hudson Light & Power Dept (MA)	8973	Hudson Town of
51363	Hugoton City of	9011	Hugoton City of
51375	Hutchinson Utilities Comm	9130	Hutchinson Utilities Comm
51377	Hyrum City Corporation	9163	Hyrum City Corp
51380	Idaho Falls Elec Light Dept	9187	Idaho Falls City of
51381	Idaho Power Company	9191	Idaho Power Co
51385	Illinois Power Company	9208	Illinois Power Co
51388	Imperial Irrigation District	9216	Imperial Irrigation District
51389	Imperial City of	9217	Imperial City of
51391	Independence, City of, (IA)	9230	Independence City of
51392	Independence, City of (MO)	9231	Independence City of
51394	Indianapolis Pwr & Lt Co	9273	Indianapolis Power & Light Co
51396	Indianola Mun Light & Pwr (IA)	9275	Indianola City of
51403	Interstate Power Company	9392	Interstate Power Co
51404	Iola Electric System (Kansas)	9418	Iola City of
51405	Iowa Electric Lt & Pwr Co	9423	Iowa Electric Light & PowerCo
51406	Iowa-Illinois Gas & Electric Co	9438	Iowa-Illinois Gas&Electric Co
51407	Iowa Power & Light Co	9429	Iowa Power & Light Co
51408	Iowa Public Service Co	9435	Iowa Public Service Co
51409	Iowa Southern Utilities Co	9432	Iowa Southern Utilities Co
51410	Iowa State Univ of Sci & Technol	9434	Iowa State University
51411	Ipswich Mun Lt Dept	9442	Ipswich City of
51430	Jackson Power & Light Dept (MO)	9603	Jackson City of
51434	Jacksonville Electric Authority	9617	Jacksonville Electric Auth
51437	Jamestown Board of Pub Utilities	9645	Jamestown City of
51440	Janesville Mun Utilities	9650	Janesville City of
51443	Jasper Mun Electric Utility (IN)	9667	Jasper City of
51450	Jetmore City of	9732	Jetmore City of
51454	Johnson City of	9776	Johnson City of
51463	Julesburg City of	9928	Julesburg City of
51468	Kahoka Municipal Power Plant	9973	Kahoka City of

Table E-1. (continued)

ORISR	Form 759 Utility Name	UCODE	IDBS Utility Name
51476	Kansas City Bd of Pub Util (Kans)	9996	Kansas City City of
51477	Kansas City Power & Light Co	10000	Kansas City Power & Light Co
51478	Kansas Gas & Electric Co	10005	Kansas Gas & Electric Co
51479	Kansas Power & Light Co	10015	Kansas Power & Light Co
51484	Kaukauna, City of Elec & Wtr Depts	10056	Kaukauna City of
51496	Kennett Board of Public Works	10152	Kennett City of
51498	Kentucky Utilities Company	10171	Kentucky Utilities Co
51499	Kenyon Municipal Utilities	10179	Kenyon City of
51500	Keosauqua Light & Power, City of	10181	Keosauqua City of
51502	Ketchikan Public Utilities	10210	Ketchikan City of
51503	Key West, City of, the Util Brd of	10226	Key West City of
51506	Kimball City of	10260	Kimball City of
51508	Kimballton Mun Light Plant	10265	Kimballton City of
51510	Kingfisher, City of Lt & Pwr Dept	10320	Kingfisher City of
51511	Kingman City of	10321	Kingman City of
51518	Kissimmee, City of	10376	Kissimmee Utility Authority
51526	Kodiak Electric Assn, Inc	10433	Kodiak Electric Assn Inc
51530	Kotzebue Electric Assn, Inc	10451	Kotzebue Electric Assn Inc
51536	La Junta Municipal Utilities	10536	La Junta City of
51537	La Plata Electric Assn, the	10539	La Plata Electric Assn Inc
51539	La Porte City Municipal Utilities	10542	La Porte City City of
51542	La Junta Mun Utilities	10559	La Crosse City of
51549	Lafayette Utility System (LA)	9096	Lafayette City of
51555	Lake Crystal Mun Utilities Co	10596	Lake Crystal City of
51559	Lake Lure Elec Pwr Facility	10604	Lake Lure Town of
51562	Lake Mills Mun Light Plant (IA)	10606	Lake Mills City of
51563	Lake Park Mun Utilities (IA)	10608	Lake Park City of
51573	Lake Worth Utilities Authority	10620	Lake Worth City of
51575	Lakeland, Cty of Dpt of Elec&Wtr	10623	Lakeland City of
51582	Lamar, the City of Utilities Brd of	10057	Lamar City of
51584	Lamoni Municipal Utilities	10650	Lamoni City of
51590	Lanesboro Public Utilities	10685	Lanesboro Public Utility Comm
51593	Lansing, City of Board of Wtr & Lt	10704	Lansing City of
51596	Larned Mun Power Plant	10713	Larned City of
51597	Las Animas Mun Lt & Pwr	10730	Las Animas City of
51598	Laurel Mun Power Plant	10760	Laurel City of
51602	Laurens Mun Lt & Pwr Plant	10769	Laurens City of
51607	Lawrence Park Lt & Pwr	10794	Lawrence Park Heat Lgt&Pwr Co
51611	Le Sueur Municipal Utilities	10814	Le Sueur City of
51612	Lea County Elec Coop, Inc	10817	Lea County Electric Coop Inc
51615	Lebanon, City of Elec System (OH)	10830	Lebanon City of
51625	Lenox Municipal Light Plant	10908	Lenox City of
51628	Lewes Board of Public Works	10935	Lewes City of
51648	Lincoln City of (KS)	11017	Lincoln City of
51649	Lincoln, City of (NE)	11018	Lincoln City of
51657	Lindsay Public Works Authority	11039	Lindsay City of
51663	Litchfield Pub Util Comm, City of	11064	Litchfield Public UtilityComm
51673	Lockhart Power Company	11118	Lockhart Power Co
51675	Lodgepole City of	11122	Lodgepole City of
51679	Logan City Municipal Elect Lght Plt	11135	Logan City of
51681	Logansport Elec Lt & Pwr Plant	11142	Logansport City of
51685	Long Island Lighting Company	11172	Long Island Lighting Co
51687	Longmont, City of	11187	Longmont City of
51691	Los Angeles Dept of Water and Power	11208	Los Angeles City of
51694	MID SO:Louisiana Power & Light Co	11241	Louisiana Power & Light Co
51695	Louisville Gas & Electric Co	11249	Louisville Gas & Electric Co
51700	Lowell Light & Power	11268	Lowell City of
51702	Lower Colorado River Authority	11269	Lower Colorado RiverAuthority
51703	Lower Valley Power & Light, Inc	11273	Lower Valley Power & LightInc
51705	Lubbock, City of Power & Light	11292	Lubbock City of
51716	Lusk Town	11330	Lusk Town of
51717	Luverne, City of (MN)	11332	Luverne City of
51721	Lyndonville Electric Department	11359	Lyndonville Village of

Table E-1. (continued)

ORISR	Form 759 Utility Name	UCODE	IDBS Utility Name
51727	M & A Electric Power Cooperative	11380	M & A Electric Power Coop
51732	Macon Municipal Utilities	11460	Macon City of
51734	Madelia Mun Lt & Pwr Plant	29305	Madelia City of
51737	Madison City of (ME)	11477	Madison Town of
51738	Madison Gas & Electric Co (WI)	11479	Madison Gas & Electric Co
51740	Madison Municipal Utilities (MN)	11482	Madison City of
51747	Maine Public Service Co	11522	Maine Public Service Co
51748	Maine Yankee Atomic Power Company	11525	Maine Yankee Atomic Power Co
51749	Malden, City of	11540	Malden City of
51753	Mangum City of	11566	Mangum City of
51754	Manilla Mun Service Dept	11568	Manilla Town of
51756	Manitowoc Public Utilities	11571	Manitowoc City of
51759	Manning Municipal Light Plant	11581	Manning City of
51763	Manti City Corp Light & Power Dept	11588	Manti City of
51764	Mapleton Mun Corp Light & Pwr Dept	11609	Mapleton City of
51765	Maquoketa Mun Lt & Pwr	11611	Maquoketa City of
51769	Marblehead Municipal Light Dept	11624	Marblehead City of
51778	Marquette, City of Bd of Lt & Pwr	11701	Marquette City of
51780	Marshall City Wtr & Elec Works (MI)	11713	Marshall City of
51783	Marshall Municipal Utilities (MN)	11731	Marshall City of
51784	Marshall Municipal Utilities (MO)	11732	Marshall City of
51786	Marshfield Electric & Water Dept	11740	Marshfield City of
51787	Martinsville Electric Department	11770	Martinsville City of
51789	Mascoutah, City of Pwr & Lt Dept	11790	Mascoutah City of
51793	Matanuska Electric Assn, Inc	11824	Matanuska Electric Assn Inc
51795	Maui Electric Co, Ltd	11843	Maui Electric Co Ltd
51808	Mcgregor Municipal Utilities	12114	McGregor City of
51812	Mcleansboro, City of	12167	McLeansboro City of
51817	McPherson Board of Public Util	12208	McPherson City of
51818	Meade City of	12242	Meade City of
51825	Medina Electric Coop, Inc	12268	Medina Electric Coop Inc
51827	Melrose Water, Lt & Pwr & Bldg Comm	12286	Melrose City of
51830	Memphis Lt Gas & Wtr Division	12293	Memphis City of
51832	Menasha Electric & Water Utilities	12298	Menasha City of
51834	Merced Irrigation District	12312	Merced Irrigation District
51838	Metlakatla Power & Light	12385	Metlakatla City of
51840	Metropolitan Dist Comm Wate Div	12389	Metropolitan District Comm
51841	Metropolitan Wtr Dist of So Calif	12397	Metropolitan Water District
51846	Michigan State University	12436	Michigan State University
51849	Mid-State Service Company	12464	Mid-State Service Co
51867	Milford Municipal Utilities (NE)	12540	Milford City of
51873	Minden, City of (LA)	12625	Minden City of
51879	Minneapolis City of	21533	Minneapolis City of
51880	Minnesota Power & Light Co	12647	Minnesota Power & Light Co
51883	Minnkota Power Coop, Inc	12658	Minnkota Power Coop Inc
51887	MID SO:Mississippi Power & Light Co	12685	Mississippi Power & Light Co
51888	SO CO:Mississippi Power Co	12686	Mississippi Power Co
51891	Missouri Power & Light Company	12696	Missouri Power & Light Co
51892	Missouri Public Service Co	12698	UtiliCorp United Inc
51901	Molakai Elec Co Ltd	12767	Molokai Electric Co Ltd
51905	Monroe Power and Light Dept	12797	Monroe City City of
51913	Montana-Dakota Utilities Co	12819	Montana-Dakota Utilities Co
51914	Montana Light & Power Company	12822	Montana Light & Power Co
51915	Montana Power Company, The	12825	Montana Power Co
51918	Montezuma Mun Elec Lt & Pwr (IA)	12838	Montezuma City of
51923	Moon Lake Electric Assn, Inc	12866	Moon Lake Electric Assn Inc
51926	Moorhead Public Service Dept	12894	Moorhead City of
51927	Moose Lake Public Util Comm	12897	Moose Lake Water & Light Comm
51929	Mora Municipal Electric Utility	12900	Mora City of
51933	Moreau Manufacturing Corporation	12916	Moreau Manufacturing Corp
51935	Morgan City, City of (LA)	12927	Morgan City City of
51943	Morrisville Water & Light Dept	12989	Morrisville Village of
51948	Mount Carmel Public Utility Co	13032	Mt Carmel Public Utility Co

Table E-1. (continued)

ORISR	Form 759 Utility Name	UCODE	IDBS Utility Name
51952	Mount Pleasant Mun Utils (IA)	13038	Mt Pleasant City of
51953	Mount Pleasant Municipal (UT)	13037	Mt Pleasant City of
51958	Mountain Lake Municipal Util	13048	Mountain Lake City of
51965	Mullen, Village of	13090	Mullen Village of
51966	Mulvane, City of (Kansas)	13095	Mulvane City of
51967	Murray City Corporation	13137	Murray City of
51970	Muscatine, City of	13143	Muscatine City of
51971	Muscoda Light & Water Comm	13145	Muscoda City of
51975	Naknek Electric Assn, Inc	13201	Naknek Electric Assn Inc
51976	Nantahala Power & Light Co	13204	Nantahala Power & Light Co
51977	Nantucket Electric Company	13206	Nantucket Electric Co
51982	Natchitoches, City of	13228	Natchitoches City of
51983	USDI National Park Service	13266	USDI-National Park Service
51987	Nebraska City Utilities	13334	Nebraska City City of
51988	Nebraska Public Power District	13337	Nebraska Public PowerDistrict
51992	Neodesha City of	13380	Neodesha City of
51997	Nevada Irrigation District	13402	Nevada Irrigation District
51998	Nevada Power Company	13407	Nevada Power Co
52000	Commonwealth Energy System	4120	Commonwealth Energy System
52007	N Eng Elec:New England Power Co	13433	New England Power Co
52012	New Hampton Mun Light Plant	13444	New Hampton City of
52017	New Lisbon Mun Electric Dept	13466	New Lisbon City of
52024	MID SO:New Orleans Public Service	13478	New Orleans Public ServiceInc
52025	New Orleans Sewerage & Wtr Bd	13479	New Orleans Sewerage & Wtr Bd
52026	New Prague Mun Utils Comm	13480	New Prague Mun Utils Comm
52029	New Roads Light & Water Plant	13483	New Roads City of
52031	New Smyrna Beach, City of	13485	New Smyrna Beach Utils Comm
52032	New Ulm Pub Utils Comm	13488	New Ulm Public Utilities Comm
52036	New York State Elec & Gas Corp	13511	New York State Elec & GasCorp
52041	Newberry Wtr & Lt Board (MI)	13525	Newberry City of
52046	Newport Electric Corporation	13549	Newport Electric Corp
52053	Niagara Mohawk Power Corp	13573	Niagara Mohawk Power Corp
52057	Niles Board of Public Works	13604	Niles City of
52066	Nodak Rural Elec Coop Inc	12301	Nodak Rural Electric Coop Inc
52069	Nome Light and Power Utilities	13642	Nome Joint Utility Systems
52072	Norris Public Power District	13664	Norris Public Power District
52075	North Branch Lt & Pwr Comm	13681	North Branch City of
52079	North Central Power Co Inc	13697	North Central Power Co Inc
52081	North Counties Hydro Elec Co	13712	North Counties Hydro-Elec Co
52093	Northeast Missouri Elec Pwr Coop	13738	Northeast Missouri El PwrCoop
52101	Northern Indiana Public Serv Co	13756	Northern Indiana Pub Serv Co
52107	Northern States Power Co	13781	Northern States Power Co
52117	Northwestern Public Service Company	13809	Northwestern Public ServiceCo
52118	Northwestern Wisconsin Elec Co	13815	Northwestern Wisconsin ElecCo
52119	Northwood, City of Mun Lt & Pwr	13816	Northwood City of
52120	Norton City of	13819	Norton City of
52123	Norwich Dept of Pub Utils	13831	Norwich City of
52126	Nushagak Electric Coop, Inc	13870	Nushagak Electric Coop Inc
52136	Oakdale & South San Joaquin	13935	Oakdale & South San Joaquin
52138	Oakely City of	13941	Oakley City of
52139	Oberlin City of (KS)	13948	Oberlin City of
52140	Oberlin Mun Lt Pwr System (OH)	13949	Oberlin City of
52147	Oconto Electric Coop	13964	Oconto Electric Coop
52150	Odessa City of	13971	Odessa City of
52151	Ogden Municipal Utilities	13990	Ogden City of
52154	Ohio Edison Company	13998	Ohio Edison Co
52156	Ohio Valley Electric Corporation	14015	Ohio Valley Electric Corp
52164	Oklahoma Gas & Electric Co	14063	Oklahoma Gas & Electric Co
52172	Omaha Public Power District	14127	Omaha Public Power District
52173	Onawa, City of Municipal Lt & Pwr	14132	Onawa City of
52176	Onida Mun Lt & Pwr Sys	14138	Onida City of
52179	Opelousas Elec Lt & Wtr Works Plant	14147	Opelousas City of
52181	Orange and Rockland Utilities, Inc	14154	Orange & Rockland Utils Inc

Table E-1. (continued)

ORISR	Form 759 Utility Name	UCODE	IDBS Utility Name
52182	Orange City Municipal Light Plant	14159	Orange City City of
52185	Orcas Power & Light Company	14170	Orcas Power & Light Co
52189	Orlando Utilities Commission	14186	Orlando City of
52191	Oroville Wyandotte Irrig Dist	14191	Oroville-Wyandotte Irrig Dist
52192	Orrville Public Utilities	14194	Orrville City of
52194	Osage Mun Utilities (KS)	14199	Osage City City of
52195	Osage Municipal Utilities (IA)	14201	Osage City of
52204	Ottawa Water & Light Dept (Kans)	14229	Ottawa City of
52205	Otter Tail Power Company	14232	Otter Tail Power Co
52206	Ottumwa Wtr Wrks & Hydro El Pl	14236	Ottumwa City of
52209	Owatonna Municipal Public Utilities	14246	Owatonna City of
52211	Owensboro Municipal Utilities	14268	Owensboro City of
52212	Owensville Municipal Utilities	14272	Owensville City of
52215	Oxford Mun Lt & Pwr Plant (NE)	14277	Oxford Village of
52224	Pacific Gas & Electric Company	14328	Pacific Gas & Electric Co
52225	Pacific Power & Light Company	14356	Pacific Power & Light Co
52227	Painesville Mun Lt Plant (OH)	14381	Painesville City of
52230	Palmyra, City of Bd of Pub Works	14400	Palmyra City of
52242	Paragould Light Plant Comm	14446	Paragould City of
52246	Paris Light & Power Dept (KY)	14455	Paris City of
52250	Park River Municipal Light Plant	14474	Park River City of
52254	Parowan City Corporation	14512	Parowan City Corp
52255	Pasadena, City of Wtr & Pwr Dept	14534	Pasadena City of
52260	Pattonsburg Mun Light Plant	5527	Pattonsburg City of
52262	Paullina Mun Light Plant	14577	Paullina City of
52264	Pawhuska Light & Water Plant	14582	Pawhuska City of
52270	Peabody Mun Light Plant	14605	Peabody City of
52279	Pella Municipal Power & Light	14645	Pella City of
52283	Pend Oreille County P U D No 1	14653	PUD No 1 of Pend Oreille Cnty
52284	Pender Mun Light Plant	14656	Pender City of
52288	Pennsylvania Power & Light Co	14715	Pennsylvania Power & Light Co
52289	Pennsylvania Power Co	14716	Pennsylvania Power Co
52298	Peru, City of Lt & Pwr Dept (IN)	14839	Peru City of
52299	Peru, City of Mun Pwr Plant (IL)	14840	Peru City of
52300	Petersburg Municipal Light & Power	14856	Petersburg City of
52304	Philadelphia Electric Company	14940	Philadelphia Electric Co
52313	Piggott Public Improvement Dist #1	15043	Piggott City of
52321	Pine Bluffs Town of	15051	Pine Bluffs City of
52322	Pinedale Power & Light Co	15056	Pinedale Power & Light Co
52332	Pioneer Power & Light Co	15086	Pioneer Power & Light Co
52334	Piqua Municipal Power System	15095	Piqua City of
52338	Placer County Water Agency	15127	Placer County Water Agency
52340	Plains Elec Gen & Trans Coop, Inc	15129	Plains Elec Gen&Trans CoopInc
52341	Plainview Municipal Power Plant	15132	Plainview City of
52344	Plaquemine Lt & Wtr Plant	15137	Plaquemine City of
52346	Platte River Power Auth	15143	Platte River Power Authority
52365	Ponca City Mun Wtr & Lt Dept (OK)	15202	Ponca City City of
52369	Portland, City of Electric Dept	15246	Portland City of
52370	Portland General Electric Company	15248	Portland General Electric Co
52371	Potomac Electric Power Co	15270	Potomac Electric Power Co
52375	Power Authority of the State of NY	15296	Power Authority of State ofNY
52380	Pratt, City of	15321	Pratt City of
52382	Prescott, City of	15337	Prescott City of
52385	Preston Public Utilities Comm	15348	Preston Public Utilities Comm
52386	Preston, Town of Mun Lt & Pwr	15349	Preston City of
52389	Primghar Municipal Lt Plant	15377	Primghar City of
52391	Whitesboro City of	20588	Whitesboro City of
52396	Princeton Mun Pwr & Lt Plant	15387	Princeton Public Utils Comm
52397	Princeton Municipal Utilities (IL)	15384	Princeton City of
52404	Providence Lt & Wtr	15443	Providence City of
52406	Provo City Corporation Dept of Util	15444	Provo City Corp
52408	Public Service Co of Colorado	15466	Public Service Co of Colorado
52410	Public Service Co of Ind, Inc	15470	Public Service Co of IN Inc

Table E-1. (continued)

ORISR	Form 759 Utility Name	UCODE	IDBS Utility Name
52411	Public Service Co of New Hampshire	15472	Public Service Co of NH
52412	Public Service Co of New Mexico	15473	Public Service Co of NM
52413	Cen & SW:Public Serv Co of Oklahoma	15474	Public Service Co of Oklahoma
52414	Public Service Elec and Gas Co	15477	Public Service Electric&GasCo
52415	Puerto Rico Water Resources Auth	15497	Puerto Rico Electric Pwr Auth
52416	Puget Sound Power & Light Company	15500	Puget Sound Power & Light Co
52424	Radford Mun Power Plant	15619	Radford City of
52436	Rantoul, Village of, Lt & Pwr Dept	15686	Rantoul Village of
52437	Raton Public Service Company	15698	Raton Public Service Co
52440	Rayne Elec Lt & Pwr	15728	Rayne City of
52447	Red Bud, City of	15772	Red Bud City of
52448	Red Cloud, City of Mun Lt & Pwr	15773	Red Cloud City of
52454	Redlands Water & Power Co	15787	Redlands Wster & Power Co
52456	Redwood Falls Pub Util Comm	15793	Redwood Falls Public UtilComm
52460	Remsen Municipal Utilities	15846	Remsen City of
52461	Rensselaer, City of Mun Power Plant	15860	Rensselaer City of
52463	Renwick Light & Power Plant	15862	Renwick City of
52470	Rich Hill City of	15943	Rich Hill City of
52473	Richland Center Mun Utility	15978	Richland Center City of
52478	Richmond Dept of Public Util (VA)	15984	Richmond City of
52479	Richmond Power & Light (IN)	15989	Richmond City of
52487	River Falls Municipal Utilities	16082	River Falls City of
52497	Robstown, City of	16175	Robstown City of
52498	Rochelle Municipal Utilities	16179	Rochelle City of
52499	Rochester, City of Elec Dept (MN)	16181	Rochester City of
52501	Rochester Gas & Elec Corp (NY)	16183	Rochester Gas & Electric Corp
52505	Rockport Bd of Public Works	40382	Rockport City of
52506	Rock Rapids, City of Util Div	16206	Rock Rapids City of
52507	Rockford Mun Light Plant	16211	Rockford City of
52509	Rockville Center El Lt Dept	16217	Rockville Centre Village of
52519	Roseau, Village of Roseau	16285	Roseau City of
52520	Rosebud Electric Coop Inc	16286	Rosebud Electric Coop Inc
52538	Russell, City of	16440	Russell City of
52542	Ruston Water & Light Plant	16463	Ruston City of
52547	Sabetha City of	16518	Sabetha City of
52552	Sacramento Municipal Utility Dist	16534	Sacramento Municipal UtilDist
52553	Safe Harbor Water Power Corp	16537	Safe Harbor Water Power Corp
52564	Salt River Proj Agri Imp Pwr Dist	16572	Salt River Proj Ag I & P Dist
52567	San Antonio Public Service Bd	16604	San Antonio City of
52570	San Diego Gas & Electric Company	16609	San Diego Gas & Electric Co
52571	Hetch Hetchy Water & Power	8524	Hetch Hetchy Water & Power
52576	Sanborn Municipal Light Plant	16628	Sanborn City of
52579	Sanger City of	16647	Sanger City of
52584	Sargent, City of	16667	Sargent City of
52588	Savannah Electric & Power Co	16687	Savannah Electric & Power Co
52601	Seaford Lt & Power	16852	Seaford City of
52603	Seattle Dept of Lighting	16868	Seattle City of
52604	Sebewaing Lt & Wtr Dept	16873	Sebewaing City of
52605	Sebring Utilities Commission	16877	Sebring Utilities Comm
52607	Seguin, City of	16900	Seguin City of
52616	Seward Electric System	16955	Seward City of
52626	Sharon Spring City of	16988	Sharon Springs City of
52637	Shelby Mun Light Plant	17043	Shelby City of
52651	Sho Me Power Corporation	17106	Sho-Me Power Corp
52653	Shrewsbury El Lt Plant	17127	Shrewsbury Town of
52655	Sibley Municipal Utilities	17141	Sibley City of
52656	Sidney, City of Electric Util	17149	Sidney City of
52658	Sierra Pacific Power Company	17166	Sierra Pacific Power Co
52659	Sikeston Bd of Mun Utilities	17177	Sikeston City of
52664	Sioux Center Mun Lt & Pwr	17264	Sioux Center City of
52666	Sioux Falls Mun Lt & Pwr Dept	17265	Sioux Falls City of
52668	Sitka, City of Electric Dept	17271	Sitka City of & Borough of
52670	Skaneateles City of	17280	Skaneateles Village of

Table E-1. (continued)

ORISR	Form 759 Utility Name	UCODE	IDBS Utility Name
52674	Sleepy Eye Public Util Comm	17320	Sleepy Eye Public UtilityComm
52688	Soda Springs City of	17493	Soda Springs City of
52692	South Carolina Electric & Gas Co	17539	South Carolina Electric&GasCo
52693	South Carolina Public Service Auth	17543	South Carolina Pub Serv Auth
52703	South Mississippi Elec Pwr Assn	17568	South Mississippi El Pwr Assn
52704	South Norwalk Elec Wks, the	17569	South Norwalk City of
52706	South River City of	17571	South River Borough of
52711	South Texas Elec Coop, Inc	17583	South Texas Electric Coop Inc
52720	Southeastern Power Adm	17604	Southeastern Power Admin
52721	Southern California Edison Company	17609	Southern California Edison Co
52726	Southern Illinois Power Coop	17632	Southern Illinois Power Co-op
52727	Southern Indiana Gas & Electric Co	17633	Southern Indiana Gas & ElecCo
52739	Southwest Public Power District	17692	Southwest Public Power Dist
52744	Cen & SW:Southwestern Elec Power Co	17698	Southwestern Electric PowerCo
52745	Southwestern Electric Service Co	17699	Southwestern Electric Serv Co
52747	Southwestern Power Adm	17716	Southwestern Power Admin
52748	Southwestern Public Service Co	17718	Southwestern Public ServiceCo
52749	Spalding Mun Lt & Pwr Co	17727	Spalding Village of
52751	Spartanburg (City of)	17664	Spartanburg City of
52753	Spencer Municipal Utilities (IA)	17783	Spencer City of
52758	Spokane, City of Water Division	17808	Spokane Water Division
52763	Spring Valley, City of	17824	Spring Valley Pub Utils Comm
52766	Springfield, City of (IL)	17828	Springfield City of
52769	Springfield Public Utilities	17836	Springfield Public Utils Comm
52770	Springfield Utilities (MO)	17833	Springfield City of
52772	Springville Electric System	17846	Springville Village of
52773	Springville Municipal Corporation	17845	Springville City of
52779	St Cloud Public Utilities	17867	St Cloud City of
52781	St Francis City of	17872	St Francis City of
52782	St George City Corp Util Commission	17874	St George City of
52785	St John City of	17879	St John City of
52786	St Joseph Light & Power Co	17881	St Joseph Light & Power Co
52787	St Louis Electric Utility	17886	St Louis City of
52789	St Marys Mun Lt & Pwr Plant	17891	St Marys City of
52796	Stafford City of	17924	Stafford City of
52807	Starke Mun Lt & Wtr Plant	18004	Starke City of
52809	State Center Mun Lt Plant	18014	State Center City of
52818	Sterling City of	18086	Sterling City of
52821	Stillwater, City of	18125	Stillwater UtilitiesAuthority
52824	Stockton City of	18137	Stockton City of
52827	Story City Mun Elec Utility	18177	Story City City of
52832	Strawberry Point Lt & Wtr Dept	18204	Strawberry Point City of
52833	Strawberry Water Users Assoc	18205	Strawberry Water Users Assn
52836	Stuart Municipal Utilities	18230	Stuart City of
52837	Stuart Light & Power Plant	18231	Stuart City of
52840	Sturgis, City of Electric Dept	18252	Sturgis City of
52842	Sullivan, City of Mun Lt Plant (IL)	18277	Sullivan City of
52850	Sumner Municipal Light Dept	18301	Sumner City of
52855	Sunflower Electric Coop (Kansas)	18315	Sunflower Electric Coop Inc
52863	Swan's Island Electric Coop, Inc	18368	Swans Island Electric CoopInc
52864	Swanton Electric Department	18371	Swanton Village of
52873	Tacoma Dept of Pub Util (Light Div)	18429	Tacoma City of
52875	Tallahassee, City of	18445	Tallahassee City of
52879	Tampa Electric Company	18454	Tampa Electric Co
52882	Tapoco, Inc	18443	Tapoco Inc
52885	Taunton Mun Lighting Plant	18488	Taunton City of
52900	Texas A & M Univ	18688	Texas A & M University
52908	Thief River Falls Wtr & Lt Dept	18820	Thief River Falls City of
52915	Thumb Elec Coop of Michigan	18895	Thumb Electric Coop-Michigan
52917	Oswatomie City of	14203	Osawatomie City of
52918	Osborne, City of	19108	Tideland Electric Member Corp
52923	Tipton Municipal Utilities	18628	Tipton City of
52927	Toledo Edison Company	18997	Toledo Edison Co

Table E-1. (continued)

ORISR	Form 759 Utility Name	UCODE	IDBS Utility Name
52936	Traer Municipal Utilities	19062	Traer City of
52937	Traverse, City of El Lt & Pwr (MI)	19125	Traverse City City of
52941	Trenton Light & Power Plant	19149	Trenton City of
52942	Trenton Municipal Utilities (MO)	19150	Trenton City of
52958	Tri State Gen & Trans Assn, Inc	30151	Tri-State G & T Assn Inc
52960	Trinidad Mun Pwr & Lt Dept	19204	Trinidad City of
52967	Truman Public Util Comm	19237	Truman Public Utilities Comm
52970	Tucson Electric Power Company	19259	Tucson Gas & Electric Co
52972	Tulia Light & Power Plant	19264	Tulia City of
52975	Turlock-Modesto Irrig Dists	19281	Turlock Irrigation District
52982	Two Harbors Wtr & Lt Dept	19321	Two Harbors City of
52984	Tyler Mun Lt & Pwr Plant	19332	Tyler City of
52985	Tyndall Lt & Wtr Plant	19333	Tyndall City of
52987	Tennessee Valley Authority	18642	Tennessee Valley Authority
52988	UGI Corporation	19390	UGI Corp
52994	Union City, Village of (MI)	19432	Union City City of
52997	Union Electric Company (MO)	19436	Union Electric Co
53002	Unionville, City of Light & Wtr	19474	Unionville City of
53003	United Illuminating Company, the	19497	United Illuminating Co
53005	United Power Association	19514	United Power Assn
53010	University of Illinois	9314	University of Illinois
53011	University of Iowa, Iowa Cty Campus	19539	University of Iowa
53012	University of Michigan	11446	University of Michigan
53015	University of North Carolina	19541	University of North Carolina
53016	University of Wisconsin	19540	University of Wisconsin
53018	Upper Peninsula Generating Co	19577	Upper Peninsula Generating Co
53019	Upper Peninsula Power Co	19578	Upper Peninsula Power Co
53028	Yakutat Power Inc	30150	Yakutat Power Inc
53031	USBIA Flathead Project	19603	USBIA-Flathead Irr District
53032	USBIA San Carlos Project	19604	U S Bureau of Indian Affairs
53033	USBIA Wapato Irrigation Project	19379	USBIA-Wapato Irrigation Proj
53047	WPRS Rio Grande-Falcon Project	19614	USBR-Rio Grande Project
53107	Utah Power & Light Company	19659	Utah Power & Light Co
53110	Valley City Municipal Utilities	19687	Valley City City of
53118	Vandalia Municipal Utilities	19722	Vandalia City of
53123	Vermillion, City of (SD)	19788	Vermillion City of
53127	Vermont Marble Company	19794	Vermont Marble Co
53128	Vermont Yankee Nuclear Power Co	19796	Vermont Yankee Nucl Pwr Corp
53130	Vernon, City of (TX)	19797	Vernon City of
53132	Vero Beach Mun Pwr System	19804	Vero Beach City of
53138	Villisca Mun Pwr Plant	19843	Villisca City of
53140	Vineland Electric Utility	19856	Vineland City of
53141	Vinton Municipal Lt Plant (IA)	19865	Vinton City of
53146	Virginia Electric & Power Co	19876	Virginia Electric & Power Co
53148	Virginia Polytechnie Institute	19882	Virginia PolytechnicInstitute
53149	Virginia Pub Utils Comm	19883	Virginia City of
53157	Wahoo Municipal Light Plant	19968	Wahoo City of
53158	Wailua Sugar Co Inc	19969	Waialua Sugar Co Inc
53173	Wamego City of	20069	Wamego City of
53175	Wallingford (City of)	20038	Wallingford Town of
53177	Warren, City of Mun Lt & Pwr Dept	20110	Warren City of
53187	Washington City of (KS)	20141	Washington City of
53193	Washington Public Power Supply Sys	20160	Washington Pub Pwr Supply Sys
53195	Washington Wtr Pwr Co, The	20169	Washington Water Power Co
53196	Waterloo, City Light & Power	20180	Waterloo City of
53199	Watertown City of	20188	Watertown City of
53206	Wauchula, City of	20209	Wauchula City of
53208	Wauneta Municipal Utilities	20212	Wauneta Village of
53211	Waverly, City of Mun Utilities	20214	Waverly City of
53212	Wayne, City of Municipal Plant (NE)	20219	Wayne City of
53222	Weatherford City of	20230	Weatherford City of
53225	Weber Basin Water Conservancy Dist	20255	Weber Basin Water ConservDist
53226	Webster City Mun Lt & Pwr	20259	Webster City City of

Table E-1. (continued)

ORISR	Form 759 Utility Name	UCODE	IDBS Utility Name
53232	Wellington, City of (KS)	20315	Wellington City of
53233	Wells Electric Association	29295	Wells City of
53238	Welsh City of	20343	Welsh Town of
53239	Wessington Springs Mun El & Lt	20359	Wessington Springs City of
53240	West Bend Mun Power Plant	20364	West Bend City of
53245	West Liberty Municipal Elec Util	20380	West Liberty City of
53251	West Point Light & Water Works	20393	West Point City of
53256	Cen & SW:West Texas Utilities Co	20404	West Texas Utilities Co
53257	Westbrook Mun Lt & Pwr Plant	20430	Westbrook City of
53262	Western Farmers Elec Coop (OK)	20447	Western Farmers Elec Coop Inc
53264	Western Illinois Pwr Coop, Inc	29301	Western Illinois Pwr Coop Inc
53266	NE Util:Western Mass Electric Co	20455	Western Massachusetts Elec Co
53293	Whittemore Mun Lt & Pwr Co	20604	Whittemore City of
53295	Wilber, City of	20632	Wilber City of
53305	Willmar Municipal Util Comm	20737	Willmar Municipal Utils Comm
53310	Wilton Mun Lt & Pwr System	20789	Wilton City of
53314	Windom Municipal Utilities	20806	Windom City of
53316	Winfield Mun Light & Power Plt	20813	Winfield City of
53319	Winnetka, Village of	20824	Winnetka Village of
53325	Winterset, City of Mun Utilities	20835	Winterset City of
53330	Wisconsin Electric Power Co	20847	Wisconsin Electric Power Co
53332	Wisconsin Power & Light Co	20856	Wisconsin Power & Light Co
53333	Wisconsin Public Service Corp	20860	Wisconsin Public Service Corp
53335	Wisconsin River Power Company	20863	Wisconsin River Power Co
53337	Wisner Elec Lt & Wtr Dept	20880	Wisner City of
53342	Wolverine Power Corporation	20919	Wolverine Power Corp
53350	Woodsfield Elec Light Plant	20977	Woodsfield City of
53356	Wrangell Light Plant	21015	Wrangell City of
53360	Wyandotte Dept of Mun Service	21048	Wyandotte Municipal Serv Comm
53365	Yadkin, Inc	21076	Yadkin Inc
53369	Yankee Atomic Electric Company	21083	Yankee Atomic Electric Co
53370	Yazoo City Public Service Comm	21095	Public Serv Comm of YazooCity
53379	Yuba County Water Agency	21140	Yuba County Water Agency
53381	Yuma City of	21143	Yuma City of
53382	Zeeland Board of Public Works (MI)	21158	Zeeland City of
54001	AEP:Appalachian Power Co	733	Appalachian Power Co
54003	Commonwealth Edison Co of Indiana	4111	Commonwealth Edison Co IN Inc
54010	Indiana-Kentucky Electric Corp	9269	Indiana-Kentucky ElectricCorp
54015	AEP:Kentucky Power Co	22053	Kentucky Power Co
54016	AEP:Michigan Power Company	12433	Michigan Power Co
54017	APS:Monongahela Power Co	12796	Monongahela Power Co
54019	APS:Potomac Edison Co	15263	Potomac Edison Co
54020	GPU:Metropolitan Edison Co	12390	Metropolitan Edison Co
54025	GPU:Pennsylvania Electric Co	14711	Pennsylvania Electric Co
54026	South Beloit Wtr Gas & Elec Co	17535	South Beloit Water Gas&ElecCo
54028	AEP:Ohio Power Co	14006	Ohio Power Co
54030	APS:West Penn Power Co	20387	West Penn Power Co
54032	Rumford Falls Power Co	16407	Rumford Falls Power Co
54050	Westfield Milling & Elec Lt Co	40036	Westfield Milling & El Lgt Co
54062	Abbeville Water & Elec Plant	34	Abbeville City of
54066	Adrian Lt & Water Comm	150	Adrian Public Utilities Comm
54076	Blue Hill Water & Lt Dept	20848	Blue Hill City of
54077	Bluffton Utilities	1896	Bluffton City of
54090	Cashton Light & Water Plant	3156	Cashton Village of
54125	La Farge Municipal Elec Co	10525	La Farge Municipal ElectricCo
54130	Merrilan Light & Water Dept	12336	Merrillan City of
54135	Norway Electric Light Dept	13826	Norway City of
54152	U S Army Corps of Engineers	4384	U S Army Corps of Engineers
54155	Central Operating Company	3277	Central Operating Co
54168	Lewiston Public Works	10963	Lewiston City of
54169	USAF - Loring	24697	U S Air Force-Loring
54171	USN - New London Sub Base	19473	USN-New London Sub Base
54172	Passaic Valley Water Comm	14539	Passaic Valley Water Comm

Table E-1. (continued)

ORISR	Form 759 Utility Name	UCODE	IDBS Utility Name
54173	Penn - State Correctional Institute	14698	Penn State CorrectionalInst
54176	Ohio State State University	14013	Ohio State University
54178	U.S. Naval Training Station	19600	U S Naval Training Station
54179	U S Army Engineers	19583	USCE-St Marys Falls
54183	Washington Island Elec Coop	20153	Washington Island El Coop Inc
54184	Agra Lite Cooperative	155	Agralite Coop
54189	Ron Vincent	15608	R V Light & Power
54204	Proctor Public Util Comm	18524	Tecumseh Utility Authority
54211	Viola Municipal Elec Utility	19867	Viola City of
54300	USN - Pensacola Tr Cent	14757	USN-Public Works Center
54311	U S Corps of Engineers-Whitney Dam	19644	USCE-Whitney Dam
54314	University of Wyoming	19542	University of Wyoming
54318	Utah St. Agricultural College	19663	Utah State University
54320	Baker (City of)	1130	Baker Electric Coop Inc
54953	Accomack-Northampton Electric Coop	84	A & N Electric Coop
55319	USN - Norfolk Naval Base	19448	USN-Public Works Center
55600	Springfield City of	17834	Springfield City of
55603	Halstad Municipal Utilities	7969	Halstad City of
55608	Hopkinton Municipal Utility	8847	Hopkinton City of
55609	Stanberry Power Co	17946	Stanberry City of
56511	East Util:Montaup Electric Co	12833	Montaup Electric Co
56512	GPU:Jersey Central Power & Light Co	9726	Jersey Central Power&Light Co
56513	Atlantic City Electric Co	963	Atlantic City Electric Co
56515	Texas Municipal Power Agency	18715	Texas Municipal Power Agency
56516	Mass Mun Wholesale Electric Company	11806	Massachusetts Mun Whls ElecCo
56601	Argyle Municipal Elec & Water Dept	792	Argyle City of
57033	Pelican Utility Company	29297	Pelican Utility Co
57067	ERDA - Los Alomas Area Off	19589	U S URDA-Los Alamos Area Off
57087	USA - Military Academy	19384	U S Military Academy
57093	Penn State University (The)	14719	Pennsylvania State University
57096	Seminole Electric Coop Inc	21554	Seminole Electric Coop Inc
57266	Calif Pac Utils - Henderson, Nev	2837	CP National Corp
57729	Crater Lake Nat Park	4093	Crater Lake Natural Park
57732	San Miguel Electric Coop	16624	San Miguel Electric Coop Inc
57745	AEP:Indiana & Michigan Electric Co	9249	Indiana & Michigan ElectricCo
57852	Missouri Basin Municipal Pwr Agency	40606	Grand Island City of
57853	Heartland Consumers Power District	40604	Heartland Consumers PowerDist
57901	Kings River Conservation Dist	10325	Kings River Conservation Dist
57902	Desret Generating & Transmission	40230	Deseret Generation & TranCoop
57904	Pacific NW Generating Company	40294	Pacific Northwest Generatg Co
90007	Sabine River Auth of La and Tx	16524	Sabine River Authority of LA
99016	C P National Co-Baker Lagrande	2837	CP National Corp
99038	Square Butte Electric Cooperative	17858	Square Butte Electric CoopInc
99901	USCE-Kansas City Dist	25477	USCE-Kansas City
99902	USCE-Broken Bow	21516	USCE-Broken Bow Dam
99903	USCE-Keystone Project	19592	USCE-Keystone Dam
99904	USCE-Robert S Kerr Proj	40608	USCE-Robert S Kerr Dam
99905	USCE-Webbers Falls Proj	40609	USCE-Webber Falls Dam
99906	USCE-Fort Gibson Project	6606	USCE-Fort Gibson Dam
99907	USCE-Tenkiller Ferry	19642	USCE-Tenkiller Ferry Dam
99908	USCE-Eufaula Project	21505	USCE-Eufaula Dam
99909	USCE-Little Rock	19647	USCE-Little Rock
99910	USCE-Blakely Mtn	21483	USCE-Blakely Mountain Dam
99911	USCE-Denison	19626	USCE-Denison Dam
99912	USCE-Alt-Buf-Cart Pwr Prj	24636	USCE-Alt-Buf-Cart Power Proj
99913	USCE-Woodruff Proj	19631	USDOE-SEPA-Jim Woodruff
99914	USCE-Millers Ferry Proj	19590	USCE-Millers Ferry Lock & Dam
99915	USCE-Nashville	19561	USCE-Nashville
99916	USCE-Hartwell & Clarkhill	23571	USCE-Hartwell Lake
99917	USCE-Wilmington	19420	USCE-Wilmington
99918	USCE-Omaha District	30456	USCE-Omaha
99919	USCE-Sam Rayburn Project	21525	USCE-Sam Rayburn Dam Project
99920	USCE-W F George Project	19643	USCE-Walter F George Lock&Dam

Table E-1. (continued)

ORISR	Form 759 Utility Name	UCODE	IDBS Utility Name
99950	USBR-Southwest Region	29302	USBR-Southwest Region
99951	USBR-Pacific NW Region	21412	USBR-Pacific Northwest Region
99952	USBR-Mid Pacific Region	25431	USBR-Mid-Pacific Region
99953	USBR-Lower Colorado Reg	23256	USBR-Lower Colorado Region
99954	USBR-Upper Colorado Reg	25472	USBR-Upper Colorado Region
99955	USBR-Lower Missouri Region	19551	USBR-Lower Missouri Region
99956	USBR-Watertown	19380	USBR-Watertown

Table E-2

IDBS UCODE-DOE GURF ORISR Utility Code and Name Concordance File

ORISR	GURF Utility Name	UCODE	Utility Name	State
50001	Mcgrath Light & Power Co	12119	McGrath Light & Power Co	AK
50002	Ashland, City of	911	Ashland City of	KS
50003	Citizens Utilities Company	3611	Citizens Utilities Co	CT
50004	Kauai Electric Company	10054	Kauai Electric Co	HI
50005	Northeast Nuclear Energy Co	21687	Northeast Nuclear Energy Co	CT
50006	Jasper Mun Lt & Pwr Plant	9667	Jasper City of	IN
50007	Superior Water Lt & Pwr Co.	18336	Superior Water Light&Power Co	WI
50008	Oklahoma Ordance Works Authori	14062	Oklahoma Electric Coop Inc	OK
50009	Soyland Power Coop	40307	Soyland Power Coop Inc	IL
50010	Texas Util/Texas Utilities Ele	18716	Texas Utilities Generating Co	TX
50011	Wolverine Power Supply Coop, I	20910	Wolverine Pwr Supply Coop Inc	MI
50012	Livingston Montana City of	26232	Livingston City of	MT
50013	North American Hydro	13666	North American Hydro Inc	WI
50014	Osceola Power & Light	14216	Osceola City of	AR
50015	Gilman Bros Co	6885	Gilman Brothers Co	CT
50016	Hydro Elec Construction	9212	Hydroelectric Construction Inc	CA
50017	Aitkin Public Utilities Comm	174	Aitkin Public Utilities Comm	MN
50019	Akron Light & Water Works	182	Akron City of	IA
50020	North Carolina Elec Memb Corp	13683	North Carolina El Member Corp	NC
50021	Alabama Elec Coop, Inc	189	Alabama Electric Coop Inc	AL
50022	SO CO:Alabama Power Co	195	Alabama Power Co	AL
50023	Salutta River Elec Coop, Inc	40217	Saluda River Electric Coop Inc	SC
50024	North Carolina Mun Power Agenc	13630	North Carolina Mun Power Agny	NC
50025	Southern California Public Pwr	17513	Southern California P P A	CA
50026	Alaska Electric Lt & Pwr Co	213	Alaska Electric Light&Power Co	AK
50027	Alaska Power Administration	220	Alaska Power Administration	AK
50028	Alaska Power and Telephone Com	219	Alaska Power & Telephone Co	WA
50029	Florida Municipal Pwr Agency	6567	Florida Municipal Power Agency	FL
50030	Alaska Village Electric Coop,	221	Alaska Village Elec Coop Inc	AK
50031	Albany City of	228	Albany City of	MO
50032	Wabash Valley Power Assn	40211	Wabash Valley Power Assn Inc	IN
50033	Michigan Public Power Agency	40582	Michigan Public Power Agency	MI
50034	N C Eastern Municipal Pwr Agen	13687	North Carolina Eastern M P A	NC
50036	Tideland E.M.C.	19108	Tideland Electric Member Corp	NC
50037	Alaska Electric G & T Coop, I	288	Alaska Electric G & T Coop Inc	AK
50038	Alameto Company	318	Alamito Co	AZ
50039	Alcoa Generating Corporation	261	Alcoa Generating Corp	IN
50040	Westchester Refuse Energy Sys	20376	Westchester Resco Co LP	NY
50041	Beebee Island	1462	Beebee Island Corp	NY
50042	Alexandria Bd of Public Works	295	Alexandria City of	MN
50043	Alexandria Elec Lt & Pr Dept	298	Alexandria City of	LA
50044	Modesto Irrigation District	12745	Modesto Irrigation District	CA
50045	Wyoming Municipal Power Agency	40603	Wyoming Municipal Power Agency	WY
50046	Louisiana Energy and Power Aut	26253	Louisiana Energy & Power Auth	LA
50047	Vanceburg Electric Lt, Ht & Pw	19716	Vanceburg City of	KY
50048	Algona Municipal Utilities	309	Algona City of	IA
50049	Michigan South Central Pwr Age	12807	Michigan South Central Pwr Agy	MI
50050	Allegheny Electric Coop	332	Allegheny Electric Coop Inc	PA
50052	APS/Allegheny Power Systems, I	550	Allegheny Power System Inc	NY
50053	Northeast Texas Electric Coop,	13670	Northeast Texas Elec Coop Inc	TX
50054	Alliance, City of	367	Alliance City of	NE
50055	Allied Power and Light Company	378	Allied Power & Light Co	VT
50056	Vermont Public Pwr Supply Auth	19780	Vermont Public Pwr Supply Auth	VT
50057	Alma Electric System, City of	385	Alma City of	KS
50059	Alpena Power Co	392	Alpena Power Co	MI
50061	Alta Mun Elec Lt & Pwr Plt Sys	405	Alta City of	IA
50069	AEP/American Electric Power Co	488	American Electric Power Inc	NY
50070	Ames, City of Electric Utility	554	Ames City of	IA
50074	Anadarko Public Works Authorit	588	Anadarko Public Works Auth	OK
50075	Anaheim, City of Public Utilit	590	Anaheim City of	CA

Table E-2. (continued)

ORISR	GURF Utility Name	UCODE	Utility Name	State
50076	Anchorage Mun Lt & Pwr Dept	599	Anchorage City of	AK
50082	Anita Municipal Utilities	682	Anita City of	IA
50085	Ansley Municipal Light Plant	695	Ansley City of	NE
50087	Anthony City of	701	Anthony City of	KS
50094	Arcadia Mun Electric Utility	764	Arcadia City of	KS
50096	Arcanum Water & Light Plant	768	Arcanum City of	OH
50099	Arizona Electric Pwr Coop, Inc	796	Arizona Electric Pwr Coop Inc	AZ
50100	Arizona Power Authority	798	Arizona Power Authority	AZ
50101	Arizona Public Service Company	803	Arizona Public Service Co	AZ
50103	Arkansas Electric Coop Corp	807	Arkansas Electric Coop Corp	AR
50104	MID SO:Arkansas-Missouri Power	821	Arkansas-Missouri Power Co	AR
50105	MID SO:Arkansas Power & Light	814	Arkansas Power & Light Co	AR
50106	MID SO/Middle South Utilities,	12469	Middle South Utilities Inc	NY
50107	Arkansas Valley Electric Coop	817	Arkansas Valley Elec Coop Corp	AR
50109	Arlington Mun Light & Power	828	Arlington City of	MN
50112	Arnold Municipal Plant	871	Arnold Village of	NE
50115	Ashburnham Municipal Light Dep	902	Ashburnham Town of	MA
50121	Associated Electric Coop, Inc	924	Associated Electric Coop Inc	MO
50125	Kirby Power Commission	967	Atlanta Power Co Inc	ID
50126	Deepwater Operating Company	4983	Deepwater Operating Co	NJ
50127	Atlantic Mun Utilities	965	Atlantic City of	IA
50128	Attica City of	989	Attica City of	KS
50129	Auburn, City of Board of Publi	993	Auburn City of	NE
50132	Augusta, City of	998	Augusta City of	KS
50133	Augusta Light and Water Plant	1000	Augusta City of	AR
50135	Austin Electric Dept	1015	Austin City of	TX
50137	Austin Utilities	1009	Austin City of	MN
50142	Aztec City of	1046	Aztec City of	NM
50144	BARC Electric Cooperative	1062	BARC Electric Coop Inc	VA
50150	Baird City of	1124	Baird City of	TX
50152	Baldwin City of	1148	Baldwin City City of	KS
50154	Baltimore Gas & Electric Co	1167	Baltimore Gas & Electric Co	MD
50156	Bancroft Mun Electric Plant	1172	Bancroft City of	IA
50159	Bangor Hydro Electric Co	1179	Bangor Hydro-Electric Co	ME
50168	Barnesville, City of (MN)	1233	Barnesville City of	MN
50170	Barron Light & Water Dept	1278	Barron City of	WI
50175	Bartlett City of	1287	Bartlett City of	TX
50178	Barton Village Electric Dept	1299	Barton Village Inc	VT
50180	Basin Electric Pwr Coop, Inc	1307	Basin Electric Power Coop	ND
50183	Batavia, City of	1325	Batavia City of	IL
50186	Baudette Light & Water Dept	1353	Baudette City of	MN
50194	Beartooth Electric Coop, Inc	1417	Beartooth Electric Coop Inc	MT
50196	Beauregard Electric Coop, Inc	1458	Beauregard Electric Coop Inc	LA
50197	Beaver City Corporation	1434	Beaver City Corp	UT
50198	Beaver, City of	1435	Beaver City City of	NE
50199	Bedford Electric Dept	1456	Bedford City of	VA
50204	Belleville City of	1519	Bellville City of	TX
50205	Bellevue Municipal Utilities	1515	Bellevue City of	IA
50208	Belmont Municipal Light Dept	1523	Belmont City of	MA
50210	Beloit, City of	1525	Beloit City of	KS
50214	Benkelman, City of	1554	Benkelman City of	NE
50215	Bennettsville Elec Wtr & Gas P	1566	Bennettsville City of	SC
50217	Benson Water Light Heat & Pwr	1573	Benson City of	MN
50220	Benton County P U D No 1	1579	PUD No 1 of Benton County	WA
50222	Benton Electric Lgt and Pwr Di	1581	Benton City of	AR
50226	Beresford, City of	1601	Beresford City of	SD
50229	Berlin Electric Light Plant	1615	Berlin City of	MD
50232	Bessemer, City of Light Utilit	1640	Bessemer City of	AL
50233	Bethany, City of Mun Lt & Wat	1647	Bethany City of	MO
50234	Bethany Mun Light Plant	1648	Bethany City of	IL
50236	Bethel Utilities Commission	1651	Bethel Utilities Corp Inc	AK
50244	Big Rivers Electric Corporatio	1692	Big Rivers Electric Corp	KY

Table E-2. (continued)

ORISR	GURF Utility Name	UCODE	Utility Name	State
50255	Black Hills Electric Coop, Inc	1769	Black Hills Electric Coop Inc	SD
50256	Black Hills Pwr & Lt Co	19545	Black Hills Corp	SD
50259	Black River Falls, City of	1776	Black River Falls City of	WI
50262	Blackwell, City of	1800	Blackwell City of	OK
50264	Blair, City of Dept of Utiliti	1814	Blair City of	NE
50268	Blandin Power Company	1839	Blanding City of	UT
50270	Block Island Power Co	1857	Block Island Power Co	RI
50273	Bloomfield Mun Utilities	1869	Bloomfield City of	IA
50274	Blooming Prairie Pub Utils Com	1871	Blooming Prairie City of	MN
50276	Blue Earth Lt & Wtr Dept	1883	Blue Earth City of	MN
50282	Blue Ridge Electric Membership	1889	Blue Ridge Elec Member Corp	NC
50283	Bluebonnett Electric Coop, Inc	1892	Bluebonnett Electric Coop Inc	TX
50284	Bluffton Municipal Utilities	1896	Bluffton City of	IN
50289	Bonners Ferry, City of Lt & Wt	1956	Bonners Ferry City of	ID
50290	Bonneville Power Adm	1738	Bonneville Power Admin	OR
50300	Boston Edison Company	1998	Boston Edison Co	MA
50302	Bountiful City Light & Power	2010	Bountiful City City of	UT
50303	Bowersock Mills & Power Co	2048	Bowersock Mills & Power Co	KS
50304	Bowie-Cass Electric Coop, Inc	2049	Bowie-Cass Electric Coop Inc	TX
50308	Boylston Municipal Light Dept	2086	Boylston Town of	MA
50309	Bozrah Light & Power Company	2089	Bozrah Light & Power Co	CT
50312	Brady Water & Light Works	2135	Brady City of	TX
50315	Braintree Electric Light Dept	2144	Braintree Town of	MA
50318	Brazos Elec Pwr Coop, Inc	2172	Brazos Electric Power Coop Inc	TX
50319	Brazos River Authority	2176	Brazos River Authority	TX
50322	Breese, City of	2188	Breese City of	IL
50330	Bridger Valley Electric Assn,	2215	Bridger Valley Elec Assn Inc	WY
50332	Brigham City Corporation	2220	Brigham City Corp	UT
50334	Bristol Electric System (TN)	2247	Bristol City of	TN
50335	Bristol Virginia Utilities Boa	2248	Bristol City of	VA
50339	Broken Bow Mun Utilities	2277	Broken Bow City of	NE
50340	Brookings, City of Munic Elec	2285	Brookings City of	SD
50341	Brooklyn Mun Utilities	2287	Brooklyn City of	IA
50348	Brownfield Mun Pr & Lt Plant	2404	Brownfield City of	TX
50349	Brownsville, City of Pub Utils	2409	Brownsville City of	TX
50353	Brunswick Elec Memb Corp	24889	Brunswick Electric Member Corp	NC
50354	Bryan, City of	2442	Bryan City of	TX
50356	Bryan Municipal Light & Water	2439	Bryan City of	OH
50357	Bryant Light & Power Plant	2448	Bryant City of	SD
50359	Buckeye Power, Inc	7004	Buckeye Power Inc	OH
50360	Buckeye Rural Electric Coop	2502	Buckeye Rural Elec Coop Inc	OH
50366	Buhl Public Utilities Dept	2491	Buhl City of	MN
50367	Burbank Public Service Departm	2507	Burbank City of	CA
50370	Burke Power and Light	2534	Burke City of	SD
50372	Burlingame City of	2547	Burlingame City of	KS
50373	Burlington City of	2553	Burlington City of	OK
50375	Burlington Electric Light Dept	2548	Burlington City of	VT
50376	Burlington City of	2550	Burlington City of	CO
50381	Burwell Municipal Utilities	2609	Burwell City of	NE
50383	Bushnell Mun Elec Lt & Pwr Uti	2634	Bushnell City of	IL
50386	Butler Light & Water Service	2647	Butler City of	MO
50388	Butler Rural Elec Coop Assn, I	2641	Butler Rural El Coop Assn Inc	IA
50392	C & L Elec Coop Corp	2678	C & L Electric Coop Corp	AR
50399	Cajun Elec Power Coop, Inc	2777	Cajun Electric Power Coop Inc	LA
50405	California Bd of Public Works	2827	California Board of Public Wks	MO
50406	California-Pacific Utilities C	2940	California Pacific Utility	CA
50407	CA State Dept of Water Resourc	3255	California Dept-Wtr Resources	CA
50409	Callaway Mun Elec Utilities	2859	Callaway Village of	NE
50412	Commonwealth Energy Sys	4120	Commonwealth Energy System	MA
50413	Cambridge Lt & Water Works	2888	Cambridge City of	NE
50415	Cameron Mun Lt & Water Dept	2900	Cameron City of	MO
50417	Campell Lt & Pwr	2930	Campbell City of	MO

Table E-2. (continued)

ORISR	GURF Utility Name	UCODE	Utility Name	State
50418	Campbell Municipal Elec Dept	2931	Campbell Village of	NE
50419	Canadian City of	2911	Canadian Valley Elec Coop Inc	OK
50421	Commonwealth Energy Sys	2951	Canal Electric Co	MA
50423	Caney Valley Elec Coop Assn, I	2961	Caney Valley El Coop Assn Inc	KS
50427	Canton Mun Light & Water Plant	2974	Canton City of	MS
50430	Cape Hatteras Elec Membership	2982	Cape Hatteras Elec Member Corp	NC
50438	Carlyle Municipal Utilities	3037	Carlyle City of	IL
50440	Carmi Light & Water	3040	Carmi City of	IL
50441	Carolina Power & Light Co	3046	Carolina Power & Light Co	NC
50445	Carroll Electric Coop Corp	3076	Carroll Electric Coop Inc	OH
50447	Carrollton Municipal Utilities	3082	Carrollton City of	MO
50448	Carteret-Craven Elec Memb Corp	3107	Carteret-Craven El Member Corp	NC
50450	Carthage Water & Elec Plant	3113	Carthage City of	MO
50452	Cascade Mun Elec Plant	3137	Cascade City of	IA
50453	Utilities Holding Company	27471	Utilities Holding Co	NC
50463	Cavalier, City of Lt & Wtr Pla	3186	Cavalier City of	ND
50467	Cedar Falls Utilities	3203	Cedar Falls City of	IA
50472	Cedarburg Lt & Wtr Comm	3208	Cedarburg Light & Water Comm	WI
50473	Celina Municipal Utilities El	3216	Celina City of	OH
50474	Center Mun Lt & Pwr	3227	Center City of	CO
50481	Central Electric Power Coop	40218	Central Electric Pwr Coop Inc	SC
50484	Central Hudson Gas & Elec Corp	3249	Central Hudson Gas & Elec Corp	NY
50485	Central Illinois Light Co	3252	Central Illinois Light Co	IL
50486	Central Illinois Public Servic	3253	Central Illinois Pub Serv Co	IL
50487	Central Iowa Power Coop	3258	Central Iowa Power Coop	IA
50488	Central Kansas Elec Coop, Inc	3259	Central Kansas Elec Coop Inc	KS
50489	Midwest Energy, Inc.	12524	Midwest Energy Inc	KS
50490	Central Louisiana Elec Co, Inc	3265	Central Louisiana Elec Co Inc	LA
50491	Central Maine Power Company	3266	Central Maine Power Co	ME
50492	Central Mfg Dist Trustees	3270	Central Manufacturing District	IL
50494	Central Nebraska Pub Pwr & Irr	3271	Central Nebraska Pub P&I Dist	NE
50496	Cen & Sw:Central Power & Light	3278	Central Power & Light Co	TX
50497	Central Power Elec Coop, Inc	3279	Central Power Elec Coop Inc	ND
50499	Central Telephone & Util Corp	3286	Central Telephone & Utils Corp	CO
50500	Centel Corporation (KS)	3285	Centel Corp	IL
50503	Central Vermont Pub Serv Corp	3292	Central Vermont Pub Serv Corp	VT
50506	Centralia Mun Hydro-Elec Plant	3295	Centralia City of	WA
50513	Chambersburg Electric Departme	3329	Chambersburg Borough of	PA
50514	Chanute, City of	3355	Chanute City of	KS
50516	Chappel City of	3373	Chappell City of	NE
50519	Charlevoix, City of	3384	Charlevoix City of	MI
50525	Chelan County P U D No 1	3413	PUD No 1 of Chelan County	WA
50531	Cherokee Light & Power Dept.	3425	Cherokee City of	OK
50543	Cheyenne Lt, Fuel & Power Co	3461	Cheyenne Light Fuel & Power Co	WY
50544	Chicago the Metropolitan Sanit	12389	Metropolitan District Comm	MA
50545	Chicopee Electric Light Dept	3477	Chicopee City of	MA
50546	Chillicothe Municipal Utilitie	3486	Chillicothe City of	MO
50550	Choctawhatche Elec Coop, Inc	3502	Choctawhatche Elec Coop Inc	FL
50552	Chugach Electric Assn, Inc	3522	Chugach Electric Assn Inc	AK
50556	Cincinnati Gas & Electric Co	3542	Cincinnati Gas & Electric Co	OH
50558	Citizens Electric Corporation	3600	Citizens Electric Corp	MO
50560	Citizens Utilities Co	3611	Citizens Utilities Co	CT
50563	Clallam County P U D No 1	3644	PUD No 1 of Clallam County	WA
50565	Clark County P U D No 1	3660	PUD No 1 of Clark County	WA
50570	Clarksdale Water & Light Dept	3702	Clarksdale City of	MS
50577	Clay Center Mun Lt & Water Pla	3710	Clay Center City of	KS
50578	Clay Electric Coop, Inc	3726	Clay Electric Coop Inc	IL
50583	Clayton City of	3731	Clayton City of	NC
50587	Cleveland Elec Illum Co, The	3755	Cleveland Electric Illum Co	OH
50589	Cleveland Publ Utils Dept	3762	Cleveland City of	OH
50593	Clinton County Elec Coop, Inc	3806	Clinton County Elec Coop Inc	IL
50594	Clinton, Village of	3813	Clinton Village of	MI

Table E-2. (continued)

ORISR	GURF Utility Name	UCODE	Utility Name	State
50596	Cloverland Electric Coop (MI)	3828	Cloverland Electric Coop	MI
50597	CMS Electric Coop, Inc	2774	CMS Electric Coop Inc	KS
50610	Coffeyville Mun Lt Dept	3892	Coffeyville City of	KS
50611	Coggan Municipal Light Plant	3900	Coggon City of	IA
50612	Colby Mun Wtr & Lt Plant	3913	Colby City of	KS
50613	Coldwater, City of Bd of Pub U	3915	Coldwater City of	MI
50614	Coleman, City of	3923	Coleman City of	TX
50616	Coles-Moultrie Electric Coop	3931	Coles-Moultrie Electric Coop	IL
50622	Colorado Springs, City of	3989	Colorado Springs City of	CO
50623	Colorado-UTE Elec Assn, Inc	3994	Colorado-Ute Electric Assn Inc	CO
50626	Columbia Basin Elec Coop, Inc	4005	Columbia Basin Elec Coop Inc	OR
50630	Columbia Rural Elec Assn, Inc	4041	Columbia Rural Elec Assn Inc	WA
50631	Columbia Water & Light Dept	4045	Columbia City of	MO
50633	Columbus & Southern Ohio Elec	4062	Columbus & Southern Ohio El Co	OH
50634	Columbus Light & Water Dept	4068	Columbus City of	MS
50635	Columbus, Div of Electricity	4065	Columbus City of	OH
50642	Commerce City of	4091	Commerce City of	GA
50643	Commonwealth Edison Company	4110	Commonwealth Edison Co	IL
50645	Texas-New Mexico Power Co	40051	Texas-New Mexico Power Co	TX
50651	NE Util:Conn Light & Power Co	4176	Connecticut Light & Power Co	CT
50652	Connecticut Yankee Atomic Pwr	4187	Connecticut Yankee Atom Pwr Co	CT
50653	Consolidated Edison Co of N Y,	4226	Consolidated Edison Co-NY Inc	NY
50655	Consolidated Water Power Compa	4247	Consolidated Water Power Co	WI
50658	Consumers Power Company	4254	Consumers Power Co	MI
50659	Consumers Power, Inc	4743	Consumers Power Inc	OR
50660	Continental Divide Elec Coop,	4265	Continental Divide El Coop Inc	NM
50661	Conway Corporation	4280	Conway Corp	AR
50665	Coon Rapids Mun Utilities	4305	Coon Rapids City of	IA
50668	Cooperative Power Association	4322	Coop Power Assn	ND
50669	Coos-Curry Electric Coop, Inc	4317	Coos-Curry Electric Coop Inc	OR
50672	Copper Valley Electric Assn, I	4329	Copper Valley Elec Assn Inc	AK
50676	Cordova Electric Cooperative	40215	Cordova Electric Coop Inc	AK
50678	Corn Belt Power Coop	4363	Corn Belt Power Coop	IA
50682	Corning Municipal Utilities	4375	Corning City of	IA
50691	Cowlitz County Pud No 1	4442	PUD No 1 of Cowlitz County	WA
50692	Cozad Light Dept, City of	4459	Cozad City of	NE
50693	Craig-Botetourt Electric Coop	4471	Craig-Botetourt Electric Coop	VA
50698	Crawfordsville Elec Lt & Pwr U	4508	Crawfordsville Elec Lgt&Pwr Co	IN
50703	Crete, City of Elec & Water De	4527	Crete City of	NE
50704	Crisp County Power Commission	4538	Crisp County Power Comm	GA
50706	Crosbyton City of	4558	Crosbyton City Co	TX
50710	Crystal Falls, City of Lt & Wt	4604	Crystal Falls City of	MI
50716	Culpeper Town of	4619	Culpeper Town of	VA
50717	Cumberland Municipal Utility	4627	Cumberland City of	WI
50720	Curtis, City of	4661	Curtis City of	NE
50721	Cushing, City of	4667	Cushing City of	OK
50723	Custer Public Power District	4671	Custer Public Power District	NE
50731	Dahlberg Light & Power Co	4715	Dahlberg Light & Power Co	WI
50733	Dairyland Power Cooperative	4716	Dairyland Power Coop	WI
50736	Texas Util:Dallas Power & Ligh	4737	Dallas Power & Light Co	TX
50738	Dalton, City of (GA)	4744	Dalton City of	GA
50739	Danvers Electric Dept	5480	Danvers Town of	MA
50741	Danville Water, Gas & Elec Dep	4794	Danville City of	VA
50746	David City Light Plant	4836	David City City of	NE
50750	Dawson County Pub Power Distri	4911	Dawson County Public Pwr Dist	NE
50752	Dayton Power & Light Company,	4922	Dayton Power & Light Co	OH
50753	Dayton Light & Power	4919	Dayton City of	IA
50756	Deaf Smith Elec Coop, Inc	4939	Deaf Smith Electric Coop Inc	TX
50763	Deep East Texas Electric	4975	Deep East Texas Elec Coop Inc	TX
50765	Delano Municipal Power Plant	5015	Delano City of	MN
50767	Delaware Electric Coop, Inc	5070	Delaware Electric Coop Inc	DE
50769	Delmarva Power & Light Co. of	5027	Delmarva Power & Light Co	DE

Table E-2. (continued)

ORISP	GURF Utility Name	UCODE	Utility Name	State
50770	Delta City of	5036	Delta City of	CO
50773	Denison Municipal Utilities	5056	Denison City of	IA
50775	Denton Municipal Utilities	5063	Denton City of	TX
50776	Denver, City & County of	5068	Denver City & County of	CO
50779	Deshler Municipal Utilities	5097	Deshler City of	NE
50781	Detroit, City of Pub Lighting	5017	Delaware Rural Elec Coop Inc	OH
50782	Detroit Edison Company, The	5109	Detroit Edison Co	MI
50783	Detroit Lakes, City of	5111	Detroit Lakes City of	MN
50785	Hydro Development Group Inc.	9145	Hydro Development Group Inc	NY
50792	Dixie Electric Memb Corp	5202	Dixie Electric Membership Corp	LA
50802	Douglas County Pud No 1	5326	PUD No 1 of Douglas County	WA
50803	Douglas Elec Coop, Inc (SD)	5328	Douglas Electric Coop Inc	SD
50806	Dover Elec Lt & Power Plant	5336	Dover City of	OH
50807	Dover Electric Department (DE)	5335	Dover City of	DE
50809	Dowagiac Dept of Public Servic	5343	Dowagiac City of	MI
50816	Duke Power Company	5416	Duke Power Co	NC
50827	Duquesne Light Company	5487	Duquesne Light Co	PA
50829	Durant Municipal Electric Plan	5529	Durant City of	IA
50835	East Bay Mun Utility District	5571	East Bay Municipal Util Dist	CA
50841	East Kentucky Power Cooperativ	5580	East Kentucky Power Coop Inc	KY
50843	East Palestine Light & Power	5581	East Palestine City of	OH
50845	Eastriver Elec Power Coop, Inc	5552	East River Elec Power Coop Inc	SD
50847	Central Iowa Power Cooperative	5605	Eastern Iowa Light&Power Coop	IA
50848	Eastern Maine Elec Coop, Inc	5609	Eastern Maine Electric Coop	ME
50849	East Util/Eastern Utilities As	5625	Easton Utilities Comm	MD
50851	Easton Utilities Commission, T	5625	Easton Utilities Comm	MD
50857	Edgar Electric Coop Assn	5531	Edgar Electric Coop Assn	IL
50862	Edison Sault Electric Co	5659	Edison Sault Electric Co	MI
50868	El Paso Electric Company	5701	El Paso Electric Co	TX
50871	Elbow Lake, Village of	5732	Elbow Lake City of	MN
50876	Electra City of	5744	Electra City of	TX
50877	Electric Energy, Inc	5748	Electric Energy Inc	IL
50882	Elk Point Mun Light Plant	5771	Elk Point City of	SD
50885	Elk River Municipal Utilities	5773	Elk River City of	MN
50893	Ellinwood Lt & Water	5802	Ellinwood City of	KS
50894	Ellis Mun Lt & Water	5817	Ellis City of	KS
50899	Elroy, City of Mun Elec & Wtr	5834	Elroy City of	WI
50903	Emerson Light & Power Plant	5850	Emerson City of	NE
50904	Empire District Electric Co	5860	Empire District Electric Co	MO
50905	Empire Electric Assn, Inc	5862	Empire Electric Assn Inc	CO
50910	Enosburg Falls Inc Village of	5915	Enosburg Falls Village of	VT
50912	Ephraim City Corporation	5932	Ephraim City of	UT
50917	Erie Water & Light	5957	Erie City of	KS
50922	Escondido Mutual Wtr Co	5969	Escondido Mutual Water Co	CA
50923	Estelline Mun Lt & Pwr Co	5995	Estelline City of	SD
50924	Estes Park, Town of	5997	Estes Park Town of	CO
50925	Estherville, City of Mun Elec	5998	Estherville City of	IA
50929	Eugene Water & Electric Board	6022	Eugene City of	OR
50936	Fairbanks Mun Utilities System	6129	Fairbanks City of	AK
50938	Fairbury Light & Water Dept	6132	Fairbury City of	NE
50939	Fairfax Mun Pwr Plant	6138	Fairfax City of	MN
50941	Fairfield Municipal Light Plan	6141	Fairfield City of	IL
50944	Fairmont Pub Util Comm	6151	Fairmont Public Utilities Comm	MN
50946	Fairview Mun Electric Plant	6154	Fairview City Corp	UT
50947	Fairview Light & Water Dept	6152	Fairview City of	OK
50948	Faith Wtr Lt & Pwr Plant	6157	Faith City of	SD
50949	Fall River Rural Elec Coop, In	6169	Fall River Rural Elec Coop Inc	ID
50951	Falls City Water & Light Dept	6175	Falls City City of	NE
50955	Farmer City, City of Light Pla	6192	Farmer City City of	IL
50962	Farmers Electric Coop, Inc (T	6182	Farmers Electric Coop Inc	TX
50967	Farmersville City of	6203	Farmersville City of	TX
50968	Farmington, City of Elec Util	6204	Farmington City of	NM

Table E-2. (continued)

ORISR	GURF Utility Name	UCODE	Utility Name	State
50970	Farmington River Pwr Co	6207	Farmington River Power Co	CT
50971	Farmville Lt & Wtr	6209	Farmville Town of	NC
50975	Fayette Water & Light Plant	6231	Fayette City of	MO
50977	Fayetteville, Pub Works Comm o	6235	Fayetteville Public Works Comm	NC
50978	Federated Rural Electric Assn	6258	Federated Rural Electric Assn	MN
50979	Fem Electric Assn, Inc	6272	FEM Electric Assn Inc	SD
50980	Fennimore Municipal Utilities	6274	Fennimore City of	WI
50988	First Electric Coop Corp	6342	First Electric Coop Corp	AR
50989	Fishers Is Elec Corp ,The	6369	Fishers Island Electric Corp	NY
50990	Fitchburg Gas & Elec Light Co	6374	Fitchburg Gas & Elec Light Co	MA
50992	Flandreau Mun Lt & Pwr Plant	6390	Flandreau City of	SD
51005	Florida Keys Elec Coop Assn In	6443	Florida Keys El Coop Assn Inc	FL
51006	Florida Power & Light Company	6452	Florida Power & Light Co	FL
51007	Florida Power Corporation	6455	Florida Power Corp	FL
51008	Florida Public Utilities Co	6457	Florida Public Utilities Co	FL
51010	Floydada, City of	6472	Floydada City of	TX
51016	Forest City Municipal Utilitie	6579	Forest City City of	IA
51025	Fort Pierce Utilities Authorit	6615	Fort Pierre City of	SD
51029	Fort Wayne Mun Elec Lt & Pwr W	6620	Fort Wayne City of	IN
51031	Fosston Municipal Utilities	6627	Fosston City of	MN
51034	Four County Elec Memb Corp	6492	Four Corners E M C	NC
51036	Frankfort City Light & Power P	6707	Frankfort City of	IN
51040	Franklin, City of (LA)	6714	Franklin City of	LA
51045	Franklin Mun Lt & Wtr Plant (N	6723	Franklin City of	NE
51054	Fredonia Lt & Pwr	6762	Fredonia City of	KS
51056	Freeburg Mun Light Plant	6764	Freeburg Village of	IL
51057	Freeport Electric Power System	6775	Freeport Village of Inc	NY
51058	Fremont Dept of Utilities	6779	Fremont City of	NE
51066	Fulton, City of (MO)	6839	Fulton City of	MO
51070	Gainesville Regional Utilities	6909	Gainesville City of	FL
51073	Gallatin Light & Water Works	6924	Gallatin City of	MO
51080	Garkane Power Assn, Inc	6957	Garkane Power Assn Inc	UT
51081	Garland, City of	6958	Garland City of	TX
51083	Garnett City of	6965	Garnett City of	KS
51092	GPU/General Public Utilities	40024	General Public Utilities Corp	NJ
51093	Geneseo Municipal Utilities	7095	Geneseo City of	IL
51100	SO CO:Georgia Power Co	7140	Georgia Power Co	GA
51111	Girard City of	7257	Girard City of	KS
51113	Glacier Hwy Electric Assn, Inc	7258	Glacier Highway Electric Assn	AK
51114	Glades Electric Coop, Inc	7264	Glades Electric Coop Inc	FL
51115	Gladstone City of	7265	Gladstone City of	MI
51115	Gladstone City of	7265	Gladstone City of	MI
51120	Glencoe Mun Electric Plant	7292	Glencoe City of	MN
51121	Glendale Public Service Dept	7294	Glendale City of	CA
51127	Golden Valley Elec Assn, Inc	7353	Golden Valley Elec Assn Inc	AK
51135	Goodland Municipal Electric De	7374	Goodland City of	KS
51137	Gouvernuer Elec Plt	7422	Gouverneur City of	NY
51138	Gowrie Light & Water Plant	7424	Gowrie City of	IA
51141	Graettinger Mun Light Plant	7443	Graettinger City of	IA
51142	Grafton Light & Water Dept (ND	7444	Grafton City of	ND
51148	Grand Electric Cooperative, In	7484	Grand Electric Coop Inc	SD
51149	Grand Haven Board of Lt & Pwr	7483	Grand Haven City of	MI
51150	Grand Island Water & Light Dep	7485	Grant City of	NE
51151	Grand Junction Mun Lt Plant	7486	Grand Junction City of	IA
51152	Grand Marais, Village of	7487	Grand Marais City of	MN
51154	Grand River Dam Authority	7490	Grand River Dam Authority	OK
51156	Granite Falls, City of (MN)	7494	Granite Falls Town of	MN
51160	Grant County P U D No 2	14624	PUD No 2 of Grant County	WA
51163	Grays Harbor County P U D No 1	7548	PUD No 1 of Grays Harbor Cnty	WA
51166	Great Plains Elec Coop, Inc	7560	Great Plains Electric Coop Inc	KS
51169	Green Mountain Power Corporati	7601	Green Mountain Power Corp	VT
51176	Greenfield Municipal Utilities	7626	Greenfield City of	IA

Table E-2. (continued)

ORISR	GURF Utility Name	UCODE	Utility Name	State
51177	Greenport Village of	7630	Greenport Village of	NY
51178	Greensburg Mun Lt & Pwr	7631	Greensburg City of	KS
51180	Greenville Electric Dept (TX)	7634	Greenville City of	TX
51185	Greenwood Lt Dept, Village of	7650	Greenwood City of	NE
51186	Greenwood Utilities Commission	7651	Greenwood Utilities Comm	MS
51188	Gresham Mun Light Plant	7665	Gresham Village of	WI
51194	Groton Water & Electric Dept (	7716	Groton City of	CT
51199	Grundy Center Mun Lt & Pwr	7743	Grundy Center City of	IA
51202	Guadalupe-Blanco River Auth	7751	Guadalupe Blanco River Auth	TX
51206	Gueydan City of	7760	Gueydan Town of	LA
51208	SO CO:Gulf Power Co	7801	Gulf Power Co	FL
51209	Gulf States Utilities Company	7806	Gulf States Utilities Co	TX
51218	Hagerstown Mun Elec Lt Plant (	7908	Hagerstown City of	MD
51219	Haines Light and Power Company	7913	Haines Light & Power Co Inc	AK
51222	Halletsville City of	7958	Hallettsville City of	TX
51225	Hamilton, City of Dept of Pub	7977	Hamilton City of	OH
51227	Hamilton Municipal Utils Comm	7995	Hamilton Village of	NY
51234	Hannibal Board of Public Works	8055	Hannibal City of	MO
51238	Hardwick Electric Department	8104	Hardwick Village of	VT
51241	Harlan Municipal Utilities	8122	Harlan City of	IA
51251	Harrisonville, City of	8199	Harrisonville City of	MO
51253	Hart Hydro Electric Dept	8205	Hart Hydro City of	MI
51255	NE Util:Hartford Electric Ligh	8211	Hartford Electric Light Co	CT
51257	Hartley, City of Mun Utilities	8214	Hartley City of	IA
51259	Hastings Utilities	8245	Hastings City of	NE
51264	Hawaiian Electric Company, Inc	19547	Hawaiian Electric Co Inc	HI
51265	Hawarden, City of Mun Utilitie	8288	Hawarden City of	IA
51267	Hawley Public Utilities Comm	8307	Hawley Public Utilities Comm	MN
51268	Haxtun City of	8311	Haxtun Town of	CO
51273	Hearne Municipal Plant	8359	Hearne City of	TX
51275	Heber Light & Power Plant	8366	Heber Light & Power Co	UT
51277	Hecla Lt & Pwr Plant	8379	Hecla City of	SD
51282	Henderson Mun Pwr & Lt	8449	Henderson City of	KY
51288	Herrington City of	8490	Herington City of	KS
51290	Herndon City of	8497	Herndon City of	KS
51294	Hibbing Public Utilities Comm	8543	Hibbing Public Utilities Comm	MN
51296	Higginsville City of	8567	Higginsville City of	MO
51298	Highland, City of Mun Lt & Pwr	8573	Highland City of	IL
51300	Highline Electric Association	8570	Highline Electric Assn	CO
51302	Hill City, City of	8599	Hill City City of	KS
51307	Hillsdale Board of Public Work	8631	Hillsdale City of	MI
51308	Hawaii Electric Light Co, Inc	8287	Hawaii Electric Light Co Inc	HI
51309	Hingham Municipal Lighting Pla	8796	Hingham City of	MA
51313	Hoisington City of	8703	Hoisington City of	KS
51314	Holbrook Lt Pwr & Ice Plant	8709	Holbrook Village of	NE
51315	Holden Municipal Light Dept	8715	Holden City of	MA
51317	Holdrege Municipal Utility Sys	8717	Holdrege City of	NE
51318	Holland Board of Public Works	8723	Holland City of	MI
51320	Holly Town of	8751	Holly City of	CO
51323	Holton City of	8770	Holton City of	KS
51325	Holyoke Gas & Elec Dept (MA)	8774	Holyoke City of	MA
51326	Holyoke Mun Pwr & Lt Plt	8777	Holyoke City of	CO
51327	NE Util:Holyoke Water Power Co	8779	Holyoke Water Power Co	MA
51331	Homer Electric Assn, Inc	19558	Homer Electric Assn Inc	AK
51332	Homer Light & Water Dept	24481	Homer City of	TX
51333	Homestead, City of	8795	Homestead City of	FL
51338	Hoonah, City of	8814	Hoonah City of	AK
51339	Hoosier Energy, Ind Statewide	9267	Hoosier Energy R E C Inc	IN
51342	Hope, City of	8840	Hope City of	AR
51346	Horton City of	8871	Horton City of	KS
51349	Houma Light & Water Plant (LA)	8884	Houma City of	LA
51352	Houston Lighting & Power Co	8901	Houston Lighting & Power Co	TX

Table E-2. (continued)

ORISR	GURF Utility Name	UCODE	Utility Name	State
51353	Howard, City of	8919	Howard City of	SD
51362	Hudson Light & Power Dept (MA)	8973	Hudson Town of	MA
51363	Hugoton City of	9011	Hugoton City of	KS
51370	Huntingburg Mun Lt & Wtr Plant	9088	Huntingburg City of	IN
51375	Hutchinson Utilities Comm	9130	Hutchinson Utilities Comm	MN
51377	Hyrum City Corporation	9163	Hyrum City Corp	UT
51380	Idaho Falls Elec Light Dept	9187	Idaho Falls City of	ID
51381	Idaho Power Company	9191	Idaho Power Co	ID
51385	Illinois Power Company	9208	Illinois Power Co	IL
51388	Imperial Irrigation District	9216	Imperial Irrigation District	CA
51389	Imperial City of	9217	Imperial City of	NE
51391	Independence, City of, (IA)	9230	Independence City of	IA
51392	Independence, City of (MO)	9231	Independence City of	MO
51393	Indian Electric Coop, Inc	9246	Indian Electric Coop Inc	OK
51394	Indianapolis Pwr & Lt Co	9273	Indianapolis Power & Light Co	IN
51396	Indianola Mun Light & Pwr (IA)	9275	Indianola City of	IA
51397	Inland Power & Light Co	8699	Inland Power & Light Co	WA
51401	Intermountain Rural Elec Assn	9336	Intermountain Rural Elec Assn	CO
51403	Interstate Power Company	9392	Interstate Power Co	IA
51404	Iola Electric System (Kansas)	9418	Iola City of	KS
51405	Iowa Electric Lt & Pwr Co	9423	Iowa Electric Light & Power Co	IA
51406	Iowe-Illinois Gas & Electric C	9438	Iowa-Illinois Gas&Electric Co	IA
51407	Iowa Power & Light Co	9429	Iowa Power & Light Co	IA
51408	Iowa Public Service Co	9435	Iowa Public Service Co	IA
51409	Iowa Southern Utilities Co	9432	Iowa Southern Utilities Co	IA
51410	Iowa State Univ of Sci & Techn	9434	Iowa State University	IA
51411	Ipswich Mun Lt Dept	9442	Ipswich City of	MA
51429	Jackson Municipal Light Plant	9599	Jackson City of	MN
51430	Jackson Power & Light Dept (MO	9603	Jackson City of	MO
51434	Jacksonville Electric Authorit	9617	Jacksonville Electric Auth	FL
51437	Jamestown Board of Pub Utiliti	9645	Jamestown City of	NY
51440	Janesville Mun Utilities	9650	Janesville City of	MN
51441	Jasper, City of (TX)	9664	Jasper City of	TX
51443	Jasper Mun Electric Utility (I	9667	Jasper City of	IN
51444	Jasper-Newton Elec Coop, Inc	9668	Jasper-Newton Elec Coop Inc	TX
51450	Jetmore City of	9732	Jetmore City of	KS
51454	Johnson City of	9776	Johnson City of	KS
51459	Jones-Onslow Elec Memb Corp	9837	Jones-Onslow Elec Member Corp	NC
51460	Jonesboro, Town of	9879	Jonesboro City of	AR
51461	Jonesboro Water & Light Plant	9878	Jonesboro City of	LA
51462	Jonesville Pwr & Lt Dept	9880	Jonesville City of	LA
51463	Julesburg City of	9928	Julesburg City of	CO
51468	Kahoka Municipal Power Plant	9973	Kahoka City of	MO
51469	Kamo Electric Coop, Inc	9979	KAMO Electric Coop Inc	OK
51476	Kansas City Bd of Pub Util (Ka	9996	Kansas City City of	KS
51477	Kansas City Power & Light Co	10000	Kansas City Power & Light Co	MO
51478	Kansas Gas & Electric Co	10005	Kansas Gas & Electric Co	KS
51479	Kansas Power & Light Co	10015	Kansas Power & Light Co	KS
51484	Kaukauna, City of Elec & Wtr D	10056	Kaukauna City of	WI
51489	K C Electric Assn	10066	K C Electric Assn	CO
51496	Kennett Board of Public Works	10152	Kennett City of	MO
51497	Kentucky Indiana Pool	10199	Kentucky Indiana Pwr Coord Grp	IN
51498	Kentucky Utilities Company	10171	Kentucky Utilities Co	KY
51499	Kenyon Municipal Utilities	10179	Kenyon City of	MN
51500	Keosauqua Light & Power, City	10181	Keosauqua City of	IA
51502	Ketchikan Public Utilities	10210	Ketchikan City of	AK
51503	Key West, City of, the Util Br	10226	Key West City of	FL
51506	Kimball City of	10260	Kimball City of	NE
51508	Kimballton Mun Light Plant	10265	Kimballton City of	IA
51510	Kingfisher, City of Lt & Pwr D	10320	Kingfisher City of	OK
51511	Kingman City of	10321	Kingman City of	KS
51518	Kissimmee, City of	10376	Kissimmee Utility Authority	FL

Table E-2. (continued)

ORISR	GURF Utility Name	UCODE	Utility Name	State
51519	Kit Carson Electric Coop, Inc	10378	Kit Carson Electric Coop Inc	NM
51525	Knoxville Utilities Board	10421	Knoxville City of	TN
51526	Kodiak Electric Assn, Inc	10433	Kodiak Electric Assn Inc	AK
51530	Kotzebue Electric Assn, Inc	10451	Kotzebue Electric Assn Inc	AK
51532	L & O Power Cooperative	10574	L & O Power Coop	IA
51536	La Junta Municipal Utilities	10536	La Junta City of	CO
51537	La Plata Electric Assn, the	10539	La Plata Electric Assn Inc	CO
51539	La Porte City Municipal Utilit	10542	La Porte City City of	IA
51541	Lacreek Electric Assoc, Inc	10558	LaCreek Electric Assn Inc	SD
51542	La Junta Mun Utilities	10559	La Crosse City of	KS
51549	Lafayette Utility System (LA)	9096	Lafayette City of	LA
51555	Lake Crystal Mun Utilities Co	10596	Lake Crystal City of	MN
51559	Lake Lure Elec Pwr Facility	10604	Lake Lure Town of	NC
51562	Lake Mills Mun Light Plant (IA	10606	Lake Mills City of	IA
51563	Lake Park Mun Utilities (IA)	10608	Lake Park City of	IA
51566	Lake Providence Elec Lt & Wtr	10611	Lake Providence City of	LA
51570	Lake Superior District Pwr Co	10615	Lake Superior District Pwr Co	WI
51573	Lake Worth Utilities Authority	10620	Lake Worth City of	FL
51574	Lakefield Public Utilities Com	10622	Lakefield City of	MN
51575	Lakeland, Cty of Dpt of Elec&W	10623	Lakeland City of	FL
51578	Lakota Municipal Lt Plt, City	10629	Lakota City of	ND
51582	Lamar, the City of Utilities B	10057	Lamar City of	MO
51583	Lamb County Electric Coop, Inc	10625	Lamb County Electric Coop Inc	TX
51584	Lamoni Municipal Utilities	10650	Lamoni City of	IA
51586	Lansdale Municipal Power Plant	10702	Lansdale Borough of	PA
51590	Lanesboro Public Utilities	10685	Lanesboro Public Utility Comm	MN
51593	Lansing, City of Board of Wtr	10704	Lansing City of	MI
51596	Larned Mun Power Plant	10713	Larned City of	KS
51597	Las Animas Mun Lt & Pwr	10730	Las Animas City of	CO
51598	Laurel Mun Power Plant	10760	Laurel City of	NE
51602	Laurens Mun Lt & Pwr Plant	10769	Laurens City of	IA
51607	Lawrence Park Lt & Pwr	10794	Lawrence Park Heat Lgt&Pwr Co	CT
51611	Le Sueur Municipal Utilities	10814	Le Sueur City of	MN
51612	Lea County Elec Coop, Inc	10817	Lea County Electric Coop Inc	NM
51615	Lebanon, City of Elec System (	10830	Lebanon City of	OH
51625	Lenox Municipal Light Plant	10908	Lenox City of	IA
51628	Lewes Board of Public Works	10935	Lewes City of	DE
51630	Lewis County P U D No 1	10944	PUD No 1 of Lewis County	WA
51644	Lighthouse Electric Coop, Inc	11014	Lighthouse Electric Coop Inc	TX
51648	Lincoln City of (KS)	11017	Lincoln City of	KS
51649	Lincoln, City of (NE)	11018	Lincoln City of	NE
51650	Lincoln County Power Dist No 1	11021	Lincoln County Power Dist No 1	NV
51657	Lindsay Public Works Authority	11058	Lindsay City of	OK
51658	Lindsborg City of	11040	Lindsborg City of	KS
51663	Litchfield Pub Util Comm, City	11064	Litchfield Public Utility Comm	MN
51669	Littleton Water & Light Dept	11085	Littleton Town of	MA
51673	Lockhart Power Company	11118	Lockhart Power Co	SC
51675	Lodgepole City of	11122	Lodgepole City of	NE
51679	Logan City Municipal Elect Lgh	11135	Logan City of	UT
51681	Logansport Elec Lt & Pwr Plant	11142	Logansport City of	IN
51685	Long Island Lighting Company	11172	Long Island Lighting Co	NY
51687	Longmont, City of	11187	Longmont City of	CO
51691	Los Angeles Dept of Water and	11208	Los Angeles City of	CA
51692	Lost River Electric Coop, Inc	11211	Lost River Electric Coop Inc	ID
51694	MID SO:Louisiana Power & Light	11241	Louisiana Power & Light Co	LA
51695	Louisville Gas & Electric Co	11249	Louisville Gas & Electric Co	KY
51697	Loup River Public Power Distri	11251	Loup River Public Power Dist	NE
51698	Loup Valleys Rural Pub Pwr Dis	11250	Loup Valleys Rural P P D	NE
51699	Loveland Light & Power Dept	11256	Loveland City of	CO
51700	Lowell Light & Power	11268	Lowell City of	MI
51702	Lower Colorado River Authority	11269	Lower Colorado River Authority	TX
51703	Lower Valley Power & Light, In	11273	Lower Valley Power & Light Inc	WY

Table E-2. (continued)

ORISR	GURF Utility Name	UCODE	Utility Name	State
51705	Lubbock, City of Power & Light	11292	Lubbock City of	TX
51706	Lubec Water & Elec District	11293	Lubec City of	ME
51716	Lusk Town	11330	Lusk Town of	WY
51717	Luverne, City of (MN)	11332	Luverne City of	MN
51721	Lyndonville Electric Departmen	11359	Lyndonville Village of	VT
51725	Lyons, City of Mun Utilities (	11372	Lyons City of	NE
51727	M & A Electric Power Cooperati	11380	M & A Electric Power Coop	MO
51731	Macon Electric Cooperative	11463	Macon Electric Coop	MO
51732	Macon Municipal Utilities	11460	Macon City of	MO
51734	Madelia Mun Lt & Pwr Plant	29305	Madelia City of	MN
51735	Madison, City of Elec Proc Sys	13118	Madison City of	MO
51737	Madison City of (ME)	11477	Madison Town of	ME
51738	Madison Gas & Electric Co (WI)	11479	Madison Gas & Electric Co	WI
51739	Madison Mun Lt & Pwr Plant	11481	Madison City of	NE
51740	Madison Municipal Utilities (M	11482	Madison City of	MN
51747	Maine Public Service Co	11522	Maine Public Service Co	ME
51748	Maine Yankee Atomic Power Comp	11525	Maine Yankee Atomic Power Co	ME
51749	Malden, City of	11540	Malden City of	MO
51753	Mangum City of	11566	Mangum City of	OK
51754	Manilla Mun Service Dept	11568	Manilla Town of	IA
51756	Manitowoc Public Utilities	11571	Manitowoc City of	WI
51759	Manning Municipal Light Plant	11581	Manning City of	IA
51763	Manti City Corp Light & Power	11588	Manti City of	UT
51764	Mapleton Mun Corp Light & Pwr	11609	Mapleton City of	IA
51765	Maquoketa Mun Lt & Pwr	11611	Maquoketa City of	IA
51766	Maquoketa Valley Rural Elec Co	12642	Maquoketa Valley Rrl Elec Coop	IA
51769	Marblehead Municipal Light Dep	11624	Marblehead City of	MA
51770	Marceline Mun Utilities, City	11626	Marceline City of	MO
51777	Marlow Light & Water Dept	11691	Marlow City of	OK
51778	Marquette, City of Bd of Lt &	11701	Marquette City of	MI
51780	Marshall City Wtr & Elec Works	11713	Marshall City of	MI
51783	Marshall Municipal Utilities (	11731	Marshall City of	MN
51784	Marshall Municipal Utilities (	11732	Marshall City of	MO
51786	Marshfield Electric & Water De	11740	Marshfield City of	WI
51787	Martinsville Electric Departme	11770	Martinsville City of	VA
51789	Mascoutah, City of Pwr & Lt De	11790	Mascoutah City of	IL
51793	Matanuska Electric Assn, Inc	11824	Matanuska Electric Assn Inc	AK
51795	Maui Electric Co, Ltd	11843	Maui Electric Co Ltd	HI
51802	Mccone Electric Coop, Inc	11989	McCone Electric Coop Inc	MT
51808	Mcgregor Municipal Utilities	12114	McGregor City of	IA
51809	Mckenzie Electric Coop, Inc	12087	McKenzie Electric Coop Inc	ND
51812	Mcleansboro, City of	12167	McLeansboro City of	IL
51817	McPherson Board of Public Util	12208	McPherson City of	KS
51818	Meade City of	12242	Meade City of	KS
51825	Medina Electric Coop, Inc	12268	Medina Electric Coop Inc	TX
51827	Melrose Water, Lt & Pwr & Bldg	12286	Melrose City of	MN
51830	Memphis Lt Gas & Wtr Division	12293	Memphis City of	TN
51832	Menasha Electric & Water Utili	12298	Menasha City of	WI
51834	Merced Irrigation District	12312	Merced Irrigation District	CA
51838	Metlakatla Power & Light	12385	Metlakatla City of	AK
51840	Metropolitan Dist Comm Water D	12389	Metropolitan District Comm	MA
51841	Metropolitan Wtr Dist of So Ca	12397	Metropolitan Water District	CA
51846	Michigan State University	12436	Michigan State University	MI
51849	Mid-State Service Company	12464	Mid-State Service Co	MI
51851	Middleborough Gas & Electric D	12473	Middleborough Town of	MA
51857	Midstate Electric Coop, Inc	12439	Midstate Electric Coop Inc	OR
51867	Milford Municipal Utilities (N	12540	Milford City of	DE
51873	Minden, City of (LA)	12625	Minden City of	LA
51879	Minneapolis City of	21533	Minneapolis City of	KS
51880	Minnesota Power & Light Co	12647	Minnesota Power & Light Co	MN
51883	Minnkota Power Coop, Inc	12658	Minnkota Power Coop Inc	ND
51887	MID SO:Mississippi Power & Lig	12685	Mississippi Power & Light Co	MS

Table E-2. (continued)

ORISR	GURF Utility Name	UCODE	Utility Name	State
51888	SO CO:Mississippi Power Co	12686	Mississippi Power Co	MS
51891	Missouri Power & Light Company	12696	Missouri Power & Light Co	MO
51892	Missouri Public Service Co	12698	UtiliCorp United Inc	MO
51894	Missouri Utilities Company	12701	Missouri Utilities Co	MO
51898	Modesto Irrigation Project	12745	Modesto Irrigation District	CA
51899	Mohave Electric Coop, Inc	21538	Mohave Electric Coop Inc	AZ
51901	Molakai Elec Co Ltd	12767	Molokai Electric Co Ltd	HI
51905	Monroe Power and Light Dept	12797	Monroe City City of	UT
51906	Monroe, City of Mun Light Plan	12802	Monroe City City of	MO
51909	Monroe County Elec Coop, Inc	12803	Monroe County Elec Coop Inc	IL
51910	Monroe Utilities Commission (L	12808	Monroe City of	LA
51913	Montana-Dakota Utilities Co	12819	Montana-Dakota Utilities Co	ND
51914	Montana Light & Power Company	12822	Montana Light & Power Co	MT
51915	Montana Power Company, The	12825	Montana Power Co	MT
51918	Montezuma Mun Elec Lt & Pwr (I	12838	Montezuma City of	KS
51923	Moon Lake Electric Assn, Inc	12866	Moon Lake Electric Assn Inc	UT
51926	Moorhead Public Service Dept	12894	Moorhead City of	MN
51927	Moose Lake Public Util Comm	12897	Moose Lake Water & Light Comm	MN
51929	Mora Municipal Electric Utilit	12900	Mora City of	MN
51933	Moreau Manufacturing Corporati	12916	Moreau Manufacturing Corp	NY
51935	Morgan City, City of (LA)	12927	Morgan City City of	LA
51943	Morrisville Water & Light Dept	12989	Morrisville Village of	VT
51948	Mount Carmel Public Utility Co	13032	Mt Carmel Public Utility Co	IL
51952	Mount Pleasant Mun Utils (IA)	13038	Mt Pleasant City of	IA
51953	Mount Pleasant Municipal (UT)	13037	Mt Pleasant City of	UT
51958	Mountain Lake Municipal Util	13048	Mountain Lake City of	MN
51961	Mountain View Electric Assn, I	13058	Mountain View Elec Assn Inc	CO
51963	Mt Wheeler Power, Inc	13073	Mt Wheeler Power Inc	NV
51965	Mullen, Village of	13090	Mullen Village of	NE
51966	Mulvane, City of (Kansas)	13095	Mulvane City of	KS
51967	Murray City Corporation	13137	Murray City of	UT
51970	Muscatine, City of	13143	Muscatine City of	IA
51971	Muscoda Light & Water Comm	13145	Muscoda City of	WI
51974	N W Electric Power Coop, Inc	13190	N W Electric Power Coop Inc	MO
51975	Naknek Electric Assn, Inc	13201	Naknek Electric Assn Inc	AK
51976	Nantahala Power & Light Co	13204	Nantahala Power & Light Co	NC
51977	Nantucket Electric Company	13206	Nantucket Electric Co	MA
51979	Napoleon El Ut Dept	13209	Napoleon City of	OH
51980	Nashville & Davidson County El	13232	Nashville & Davidson Counties	TN
51982	Natchitoches, City of	13228	Natchitoches City of	LA
51983	USDI National Park Service	13266	USDI-National Park Service	CO
51986	Navopache Electric Coop, Inc	13318	Navopache Electric Coop Inc	AZ
51987	Nebraska City Utilities	13334	Nebraska City City of	NE
51988	Nebraska Public Power District	13337	Nebraska Public Power District	NE
51992	Neodesha City of	13380	Neodesha City of	KS
51997	Nevada Irrigation District	13402	Nevada Irrigation District	CA
51998	Nevada Power Company	13407	Nevada Power Co	NV
52000	Commonwealth Energy System	4120	Commonwealth Energy System	MA
52006	N Eng Elec/New England Elec Sy	13427	New England Electric System	MA
52007	N Eng Elec:New England Power C	13433	New England Power Co	MA
52008	New England Power Exchange	13434	New England Power Exchange	MA
52011	New Hampshire Electric Coop, I	13441	New Hampshire Elec Coop Inc	NH
52012	New Hampton Mun Light Plant	13444	New Hampton City of	IA
52017	New Lisbon Mun Electric Dept	13466	New Lisbon City of	WI
52021	New Madrid Mun Lt & Pwr System	13470	New Madrid City of	MO
52023	New Mexico Elec Service Co	13474	New Mexico Electric Servic	NM
52024	MID SO:New Orleans Public Serv	13478	New Orleans Public Service Inc	LA
52025	New Orleans Sewerage & Wtr Bd	13479	New Orleans Sewerage & Wtr Bd	LA
52026	New Prague Mun Utils Comm	13480	New Prague Mun Utils Comm	MN
52028	New River Light & Power Co	13482	New River Light & Power Co	NC
52029	New Roads Light & Water Plant	13483	New Roads City of	LA
52031	New Smyrna Beach, City of	13485	New Smyrna Beach Utils Comm	FL

Table E-2. (continued)

ORISR	GURF Utility Name	UCODE	Utility Name	State
52032	New Ulm Pub Utils Comm	13488	New Ulm Public Utilities Comm	MN
52035	New York Power Pool	13501	New York Power Pool	NY
52036	New York State Elec & Gas Corp	13511	New York State Elec & Gas Corp	NY
52041	Newberry Wtr & Lt Board (MI)	13525	Newberry City of	MI
52044	Newkirk City of	13530	Newkirk City of	OK
52046	Newport Electric Corporation	13549	Newport Electric Corp	RI
52051	Newton Falls Mun Lt Plt	13563	Newton Falls City of	OH
52053	Niagara Mohawk Power Corp	13573	Niagara Mohawk Power Corp	NY
52057	Niles Board of Public Works	13604	Niles City of	MI
52066	Nodak Rural Elec Coop Inc	12301	Nodak Rural Electric Coop Inc	ND
52069	Nome Light and Power Utilities	13642	Nome Joint Utility Systems	AK
52072	Norris Public Power District	13664	Norris Public Power District	NE
52074	North Attleborough Mun Elec Lt	13679	North Attleborough Town of	MA
52075	North Branch Lt & Pwr Comm	13681	North Branch City of	MN
52079	North Central Power Co Inc	13697	North Central Power Co Inc	WI
52081	North Counties Hydro Elec Co	13712	North Counties Hydro-Elec Co	IL
52087	North Plains Electric Coop, In	13757	North Plains Electric Coop Inc	TX
52091	North Western Electric Coop, I	13807	Northwestern Electric Coop Inc	OK
52093	Northeast Missouri Elec Pwr Co	13738	Northeast Missouri El Pwr Coop	MO
52096	NE Util/Northeast Utilities	24559	Northeast Utilities	CT
52101	Northern Indiana Public Serv C	13756	Northern Indiana Pub Serv Co	IN
52103	Northern Michigan Elec Coop, I	13759	Northern Michigan El Coop	MI
52107	Northern States Power Co	13781	Northern States Power Co	MN
52109	Northfield Electric Department	13789	Northfield Village of	VT
52112	Northwest Iowa Power Coop	13798	Northwest Iowa Power Coop	IA
52115	Northwest Rural Pub Pwr Dist	13805	Northwest Rural Pub Pwr Dist	NE
52117	Northwestern Public Service Co	13809	Northwestern Public Service Co	SD
52118	Northwestern Wisconsin Elec Co	13815	Northwestern Wisconsin Elec Co	WI
52119	Northwood, City of Mun Lt & Pw	13816	Northwood City of	ND
52120	Norton City of	13819	Norton City of	KS
52123	Norwich Dept of Pub Utils	13831	Norwich City of	CT
52126	Nushagak Electric Coop, Inc	13870	Nushagak Electric Coop Inc	AK
52135	Oak Ridge, City of	13933	Oak Ridge City of	TN
52136	Oakdale & South San Joaquin	13935	Oakdale & South San Joaquin	CA
52137	Oakdale Electric Coop	13936	Oakdale Electric Coop	WI
52138	Oakely City of	13941	Oakley City of	KS
52139	Oberlin City of (KS)	13948	Oberlin City of	KS
52140	Oberlin Mun Lt Pwr System (OH)	13949	Oberlin City of	OH
52142	Ocala, City of	13955	Ocala City of	FL
52147	Oconto Electric Coop	13964	Oconto Electric Coop	WI
52149	Ocracoke Ele Memb Coop	13967	Ocracoke Electric Member Corp	NC
52150	Odessa City of	13971	Odessa City of	MO
52151	Ogden Municipal Utilities	13990	Ogden City of	IA
52154	Ohio Edison Company	13998	Ohio Edison Co	OH
52156	Ohio Valley Electric Corporati	14015	Ohio Valley Electric Corp	OH
52164	Oklahoma Gas & Electric Co	14063	Oklahoma Gas & Electric Co	OK
52172	Omaha Public Power District	14127	Omaha Public Power District	NE
52173	Onawa, City of Municipal Lt &	14132	Onawa City of	IA
52176	Onida Mun Lt & Pwr Sys	14138	Onida City of	SD
52179	Opelousas Elec Lt & Wtr Works	14147	Opelousas City of	LA
52181	Orange and Rockland Utilities,	14154	Orange & Rockland Utils Inc	NY
52182	Orange City Municipal Light Pl	14159	Orange City City of	IA
52185	Orcas Power & Light Company	14170	Orcas Power & Light Co	WA
52186	Ord Electric Plant	14172	Ord City of	NE
52189	Orlando Utilities Commission	14186	Orlando City of	FL
52191	Oroville Wyandotte Irrig Dist	14191	Oroville-Wyandotte Irrig Dist	CA
52192	Orrville Public Utilities	14194	Orrville City of	OH
52194	Osage Mun Utilities (KS)	14199	Osage City City of	KS

Table E-2. (continued)

ORISR	GURF Utility Name	UCODE	Utility Name	State
52195	Osage Municipal Utilities (IA)	14201	Osage City of	IA
52202	Otero County Elec Coop, Inc	14224	Otero County Electric Coop Inc	NM
52204	Ottawa Water & Light Dept (Kan	14229	Ottawa City of	KS
52205	Otter Tail Power Company	14232	Otter Tail Power Co	MN
52206	Ottumwa Wtr Wrks & Hydro El Pl	14236	Ottumwa City of	IA
52209	Owatonna Municipal Public Util	14246	Owatonna City of	MN
52211	Owensboro Municipal Utilities	14268	Owensboro City of	KY
52212	Owensville Municipal Utilities	14272	Owensville City of	MO
52213	Oxford Electric Dept	14275	Oxford City of	MS
52215	Oxford Mun Lt & Pwr Plant (NE)	14277	Oxford Village of	NE
52219	Ozarks Electric Coop Corp (AR)	14289	Ozarks Electric Coop Corp	AR
52220	P J M Interconnection	14313	P J M Interconnection	PA
52224	Pacific Gas & Electric Company	14328	Pacific Gas & Electric Co	CA
52225	Pacific Power & Light Company	14356	Pacific Power & Light Co	OR
52226	Paducah Power System	14371	Paducah City of	KY
52227	Painesville Mun Lt Plant (OH)	14381	Painesville City of	OH
52230	Palmyra, City of Bd of Pub Wor	14400	Palmyra City of	MO
52240	Papago Tribal Util Auth	14543	Papago Tribal Utility Auth	AZ
52242	Paragould Light Plant Comm	14446	Paragould City of	AR
52246	Paris Light & Power Dept (KY)	14455	Paris City of	TN
52250	Park River Municipal Light Pla	14474	Park River City of	ND
52252	Parker Municipal Light Plant	14489	Parker City of	SD
52254	Parowan City Corporation	14512	Parowan City Corp	UT
52255	Pasadena, City of Wtr & Pwr De	14534	Pasadena City of	CA
52260	Pattonsburg Mun Light Plant	5527	Pattonsburg City of	MO
52262	Paullina Mun Light Plant	14577	Paullina City of	IA
52263	Paw Paw, Village of	14581	Paw Paw Village of	MI
52264	Pawhuska Light & Water Plant	14582	Pawhuska City of	OK
52266	Paxton Electric Light Dept	14585	Paxton Town of	MA
52270	Peabody Mun Light Plant	14605	Peabody City of	MA
52271	Peace River Electric Coop, Inc	14606	Peace River Electric Coop Inc	FL
52274	Pedernales Electric Coop, Inc	14626	Pedernales Electric Coop Inc	TX
52279	Pella Municipal Power & Light	14645	Pella City of	IA
52283	Pend Oreille County P U D No 1	14653	PUD No 1 of Pend Oreille Cnty	WA
52284	Pender Mun Light Plant	14656	Pender City of	NE
52288	Pennsylvania Power & Light Co	14715	Pennsylvania Power & Light Co	PA
52289	Pennsylvania Power Co	14716	Pennsylvania Power Co	PA
52290	Pennyrile R E C Corp	14724	Pennyrile Rural Elec Coop Corp	KY
52291	People's Coop Pwr Assoc of Olm	14468	Peoples Coop Power Assn	MN
52297	Perry Water & Light Dept	14829	Perry City of	OK
52298	Peru, City of Lt & Pwr Dept (I	14839	Peru City of	IN
52299	Peru, City of Mun Pwr Plant (I	14840	Peru City of	IL
52300	Petersburg Municipal Light & P	14856	Petersburg City of	AK
52304	Philadelphia Electric Company	14940	Philadelphia Electric Co	PA
52311	Pierre, City of Mun Utilities	15040	Pierre City of	SD
52313	Piggott Public Improvement Dis	15043	Piggott City of	AR
52321	Pine Bluffs Town of	15051	Pine Bluffs City of	WY
52322	Pinedale Power & Light Co	15056	Pinedale Power & Light Co	WY
52330	Pioneer Electric Coop, Inc	15073	Pioneer Electric Coop Inc	KS
52332	Pioneer Power & Light Co	15086	Pioneer Power & Light Co	WI
52334	Piqua Municipal Power System	15095	Piqua City of	OH
52338	Placer County Water Agency	15127	Placer County Water Agency	CA
52339	Plains City of	19549	Plains City of	TX
52340	Plains Elec Gen & Trans Coop,	15129	Plains Elec Gen&Trans Coop Inc	NM
52341	Plainview Municipal Power Plan	15132	Plainview City of	NE
52344	Plaquemine Lt & Wtr Plant	15137	Plaquemine City of	LA
52346	Platte River Power Auth	15143	Platte River Power Authority	CO
52349	Plattsburgh Municipal Light De	15145	Plattsburgh City of	NY
52352	Plumas-Sierra Rural Elec Coop,	15308	Plumas-Sierra Rural Elec Coop	CA
52356	Plymouth Utilities Commission	15159	Plymouth City of	WI
52365	Ponca City Mun Wtr & Lt Dept (	15202	Ponca City City of	OK
52368	Port Angeles, City of Lt & Pwr	15231	Port Angeles City of	WA

Table E-2. (continued)

ORISR	GURF Utility Name	UCODE	Utility Name	State
52369	Portland, City of Electric Dep	15246	Portland City of	MI
52370	Portland General Electric Comp	15248	Portland General Electric Co	OR
52371	Potomac Electric Power Co	15270	Potomac Electric Power Co	DC
52373	Poudre Valley Rural Elec Assn,	15257	Poudre Valley R E A Inc	CO
52375	Power Authority of the State o	15296	Power Authority of State of NY	NY
52380	Pratt, City of	15321	Pratt City of	KS
52382	Prescott, City of	15337	Prescott City of	AR
52385	Preston Public Utilities Comm	15348	Preston Public Utilities Comm	MN
52386	Preston, Town of Mun Lt & Pwr	15349	Preston City of	IA
52388	Price, City of (Utah)	14198	Price Municipal Corp	UT
52389	Primghar Municipal Lt Plant	15377	Primghar City of	IA
52391	Whitesboro City of	20588	Whitesboro City of	TX
52392	Princeton, City of Mun Lt Plan	15388	Princeton City of	IL
52396	Princeton Mun Pwr & Lt Plant	15387	Princeton Public Utils Comm	MN
52397	Princeton Municipal Utilities	15384	Princeton City of	MO
52400	Rayne Electric Lt & Water Work	15728	Rayne City of	LA
52403	Protection City of	15436	Protection City of	KS
52404	Providence Lt & Wtr	15443	Providence City of	KY
52406	Provo City Corporation Dept of	15444	Provo City Corp	UT
52408	Public Service Co of Colorado	15466	Public Service Co of Colorado	CO
52410	Public Service Co of Ind, Inc	15470	Public Service Co of IN Inc	IN
52411	Public Service Co of New Hamps	15472	Public Service Co of NH	NH
52412	Public Service Co of New Mexic	15473	Public Service Co of NM	NM
52413	Cen & SW:Public Serv Co of Okl	15474	Public Service Co of Oklahoma	OK
52414	Public Service Elec and Gas Co	15477	Public Service Electric&Gas Co	NJ
52415	Puerto Rico Water Resources Au	15497	Puerto Rico Electric Pwr Auth	PR
52416	Puget Sound Power & Light Comp	15500	Puget Sound Power & Light Co	WA
52417	Pukwana Lt & Pwr Co	15504	Pukwana Light & Power Co	SD
52424	Radford Mun Power Plant	15619	Radford City of	VA
52428	Raft River Rural Elec Coop, In	22814	Raft River Rural Elec Coop Inc	ID
52433	Randolph Municipal Light & Pow	15674	Randolph City of	NE
52436	Rantoul, Village of, Lt & Pwr	15686	Rantoul Village of	IL
52437	Raton Public Service Company	15698	Raton Public Service Co	NM
52440	Rayne Elec Lt & Pwr	15728	Rayne City of	LA
52441	Rayville Light Plant	15731	Rayville City of	LA
52442	Reading Mun Lt & Wtr Plant (OH	15749	Reading City of	OH
52443	Reading Municipal Light Dept	15748	Reading City of	MA
52445	Readsboro, Village of	15718	Readsboro Village of	VT
52446	Red Bluff City of	15770	Red Bluff Wtr Pwr Control Dist	TX
52447	Red Bud, City of	15772	Red Bud City of	IL
52448	Red Cloud, City of Mun Lt & Pw	15773	Red Cloud City of	NE
52454	Redlands Water & Power Co	15787	Redlands Water & Power Co	CO
52456	Redwood Falls Pub Util Comm	15793	Redwood Falls Public Util Comm	MN
52460	Remsen Municipal Utilities	15846	Remsen City of	IA
52461	Rensselaer, City of Mun Power	15860	Rensselaer City of	IN
52463	Renwick Light & Power Plant	15862	Renwick City of	IA
52470	Rich Hill City of	15943	Rich Hill City of	MO
52471	Rich Mountain Elec Coop, Inc	15811	Rich Mountain Elec Coop Inc	AR
52473	Richland Center Mun Utility	15978	Richland Center City of	WI
52478	Richmond Dept of Public Util (	15984	Richmond City of	VA
52479	Richmond Power & Light (IN)	15989	Richmond City of	IN
52486	Rita Blanca Elec Coop, Inc	16063	Rita Blanca Electric Coop Inc	TX
52487	River Falls Municipal Utilitie	16082	River Falls City of	WI
52488	Riverside, City of Public Util	16088	Riverside City of	CA
52491	Riverton Valley Elec Assn, Inc	16093	Riverton Valley Elec Assn Inc	WY
52497	Robstown, City of	16175	Robstown City of	TX
52498	Rochelle Municipal Utilities	16179	Rochelle City of	IL
52499	Rochester, City of Elec Dept (	16181	Rochester City of	MN
52501	Rochester Gas & Elec Corp (NY)	16183	Rochester Gas & Electric Corp	NY
52505	Rockport Bd of Public Works	40382	Rockport City of	MO
52506	Rock Rapids, City of Util Div	16206	Rock Rapids City of	IA
52507	Rockford Mun Light Plant	16211	Rockford City of	IA

Table E-2. (continued)

ORISR	GURF Utility Name	UCODE	Utility Name	State
52509	Rockville Center El Lt Dept	16217	Rockville Centre Village of	NY
52515	Roodhouse, City of Mun Lt Pwr	16269	Roodhouse City of	IL
52519	Roseau, Village of Roseau	16285	Roseau City of	MN
52520	Rosebud Electric Coop Inc	16286	Rosebud Electric Coop Inc	SD
52535	Rushmore Electric Power Coop,	16443	Rushmore Electric Power Coop	SD
52538	Russell, City of	16440	Russell City of	KS
52542	Ruston Water & Light Plant	16463	Ruston City of	LA
52544	Ryan Town of	16487	Ryan Town of	OK
52546	S W Louisiana Elec Memb Corp	16514	S W Louisiana Elec Member Corp	LA
52547	Sabetha City of	16518	Sabetha City of	KS
52552	Sacramento Municipal Utility D	16534	Sacramento Municipal Util Dist	CA
52553	Safe Harbor Water Power Corp	16537	Safe Harbor Water Power Corp	PA
52554	Safford Municipal Utilities	16538	Safford City of	AZ
52564	Salt River Proj Agri Imp Pwr D	16572	Salt River Proj Ag I & P Dist	AZ
52567	San Antonio Public Service Bd	16604	San Antonio City of	TX
52570	San Diego Gas & Electric Compa	16609	San Diego Gas & Electric Co	CA
52571	Hetch Hetchy Water & Power	8524	Hetch Hetchy Water & Power	CA
52573	San Luis Valley Rural Elec Coo	16603	San Luis Valley R E C Inc	CO
52576	Sanborn Municipal Light Plant	16628	Sanborn City of	IA
52579	Sanger City of	16647	Sanger City of	TX
52584	Sargent, City of	16667	Sargent City of	NE
52588	Savannah Electric & Power Co	16687	Savannah Electric & Power Co	GA
52592	Schuyler Dept of Utilities	16778	Schuyler City of	NE
52601	Seaford Lt & Power	16852	Seaford City of	DE
52603	Seattle Dept of Lighting	16868	Seattle City of	WA
52604	Sebewaing Lt & Wtr Dept	16873	Sebewaing City of	MI
52605	Sebring Utilities Commission	16877	Sebring Utilities Comm	FL
52607	Seguin, City of	16900	Seguin City of	TX
52616	Seward Electric System	16955	Seward City of	AK
52623	Seymour Light & Water Works	16961	Seymour City of	TX
52626	Sharon Spring City of	16988	Sharon Springs City of	KS
52633	Shelbina, City of Mun Lt Dept	17035	Shelbina City of	MO
52637	Shelby Mun Light Plant	17043	Shelby City of	OH
52644	Sheridan-Johnson R E A	17097	Sheridan-Johnson Rrl Elec Assn	WY
52651	Sho Me Power Corporation	17106	Sho-Me Power Corp	MO
52653	Shrewsbury El Lt Plant	17127	Shrewsbury Town of	MA
52655	Sibley Municipal Utilities	17141	Sibley City of	IA
52656	Sidney, City of Electric Util	17149	Sidney City of	NE
52658	Sierra Pacific Power Company	17166	Sierra Pacific Power Co	NV
52659	Sikeston Bd of Mun Utilities	17177	Sikeston City of	MO
52664	Sioux Center Mun Lt & Pwr	17264	Sioux Center City of	IA
52666	Sioux Falls Mun Lt & Pwr Dept	17265	Sioux Falls City of	SD
52668	Sitka, City of Electric Dept	17271	Sitka City of & Borough of	AK
52670	Skaneateles City of	17280	Skaneateles Village of	NY
52674	Sleepy Eye Public Util Comm	17320	Sleepy Eye Public Utility Comm	MN
52684	Snohomish County P U D No 1	17470	PUD No 1 of Snohomish County	WA
52688	Soda Springs City of	17493	Soda Springs City of	ID
52692	South Carolina Electric & Gas	17539	South Carolina Electric&Gas Co	SC
52693	South Carolina Public Service	17543	South Carolina Pub Serv Auth	SC
52694	South Central Arkansas Elec Co	17540	South Central Ark El Coop Inc	AR
52696	South Central Power Co	18085	South Central Power Co	OH
52699	South Hadley Electric Light De	17560	South Hadley Town of	MA
52702	South Norwalk City of	17569	South Norwalk City of	CT
52703	South Mississippi Elec Pwr Ass	17568	South Mississippi El Pwr Assn	MS
52704	South Norwalk Elec Wks, the	17569	South Norwalk City of	CT
52706	South River City of	17571	South River Borough of	NJ
52707	South River Elec Memb Corp	17572	South River Elec Member Corp	NC
52711	South Texas Elec Coop, Inc	17583	South Texas Electric Coop Inc	TX
52715	Southeast Electric Coop, Inc	17593	Southeast Electric Coop Inc	MT
52720	Southeastern Power Adm	17604	Southeastern Power Admin	FL
52721	Southern California Edison Com	17609	Southern California Edison Co	CA
52723	SO CO/Southern Company, The	40021	Southern Co	GA

Table E-2. (continued)

ORISR	GURF Utility Name	UCODE	Utility Name	State
52724	SO CO:Southern Elec Generating	17622	Southern Electric Generatg Co	AL
52726	Southern Illinois Power Coop	17632	Southern Illinois Power Coop	IL
52727	Southern Indiana Gas & Electri	17633	Southern Indiana Gas & Elec Co	IN
52730	Southern Maryland Elec Coop, I	17637	Southern Maryland El Coop Inc	MD
52736	Southwest Arkansas Elec Coop C	17671	Southwest Arkansas E C C	AR
52739	Southwest Public Power Distric	17692	Southwest Public Power Dist	NE
52744	Cen & SW:Southwestern Elec Pow	17698	Southwestern Electric Power Co	LA
52745	Southwestern Electric Service	17699	Southwestern Electric Serv Co	TX
52747	Southwestern Power Adm	17716	Southwestern Power Admin	OK
52748	Southwestern Public Service Co	17718	Southwestern Public Service Co	TX
52749	Spalding Mun Lt & Pwr Co	17727	Spalding Village of	NE
52751	Spartanburg (City of)	17664	Spartanburg City of	SC
52753	Spencer Municipal Utilities (I	17783	Spencer City of	IA
52758	Spokane, City of Water Divisio	17808	Spokane Water Division	WA
52763	Spring Valley, City of	17824	Spring Valley Pub Utils Comm	MN
52766	Springfield, City of (IL)	17828	Springfield City of	IL
52769	Springfield Public Utilities	17836	Springfield Public Utils Comm	MI
52770	Springfield Utilities (MO)	17833	Springfield City of	MO
52772	Springville Electric System	17846	Springville Village of	NY
52773	Springville Municipal Corporat	17845	Springville City of	UT
52779	St Cloud Public Utilities	17867	St Cloud City of	FL
52781	St Francis City of	17872	St Francis City of	KS
52782	St George City Corp Util Commi	17874	St George City of	UT
52785	St John City of	17879	St John City of	KS
52786	St Joseph Light & Power Co	17881	St Joseph Light & Power Co	MO
52787	St Louis Electric Utility	17886	St Louis City of	MI
52789	St Marys Mun Lt & Pwr Plant	17891	St Marys City of	OH
52796	Stafford City of	17924	Stafford City of	KS
52806	Star Milling & Elec Company	18018	Star Milling & Greenfield	IL
52807	Starke Mun Lt & Wtr Plant	18004	Starke City of	FL
52809	State Center Mun Lt Plant	18014	State Center City of	IA
52817	Sterling Municipal Elec Light	18087	Sterling Town of	MA
52818	Sterling City of	18086	Sterling City of	KS
52821	Stillwater, City of	18125	Stillwater Utilities Authority	OK
52824	Stockton City of	18137	Stockton City of	KS
52827	Story City Mun Elec Utility	18177	Story City City of	IA
52828	Stoughton Electric Utility	18181	Stoughton City of	WI
52832	Strawberry Point Lt & Wtr Dept	18204	Strawberry Point City of	IA
52833	Strawberry Water Users Assoc	18205	Strawberry Water Users Assn	UT
52836	Stuart Municipal Utilities	18230	Stuart City of	NE
52837	Stuart Light & Power Plant	18231	Stuart City of	IA
52840	Sturgis, City of Electric Dept	18252	Sturgis City of	MI
52842	Sullivan, City of Mun Lt Plant	18277	Sullivan City of	IL
52850	Sumner Municipal Light Dept	18301	Sumner City of	IA
52855	Sunflower Electric Coop (Kansa	18315	Sunflower Electric Coop Inc	KS
52859	Sutherland Lt & Pwr Plant	18350	Sutherland City of	NE
52863	Swan's Island Electric Coop, I	18368	Swans Island Electric Coop Inc	ME
52864	Swanton Electric Department	18371	Swanton Village of	VT
52866	Swisher Electric Coop, Inc	18199	Swisher Electric Coop Inc	TX
52873	Tacoma Dept of Pub Util (Light	18429	Tacoma City of	WA
52875	Tallahassee, City of	18445	Tallahassee City of	FL
52878	Talquin Electric Coop, Inc	18449	Talquin Electric Coop Inc	FL
52879	Tampa Electric Company	18454	Tampa Electric Co	FL
52882	Tapoco, Inc	18443	Tapoco Inc	TN
52885	Taunton Mun Lighting Plant	18488	Taunton City of	MA
52895	Templeton Municipal Light Plan	18546	Templeton City of	MA
52900	Texas A & M Univ	18688	Texas A & M University	TX
52901	Texas Util:Texas Elec Service	18729	Texas Electric Service Co	TX
52902	Texas Util:Texas Power & Light	18763	Texas Power & Light Co	TX

Table E-2. (continued)

ORISR	GURF Utility Name	UCODE	Utility Name	State
52903	Texas Util/Texas Utilities Co	22015	Texas Utilities Co	TX
52907	Thibodaux Mun Lt & Wtr Plant	18819	Thibodaux City of	LA
52908	Thief River Falls Wtr & Lt Dep	18820	Thief River Falls City of	MN
52915	Thumb Elec Coop of Michigan	18895	Thumb Electric Coop-Michigan	MI
52917	Oswatomie City of	14203	Osawatomie City of	KS
52918	Osborne, City of	19108	Tideland Electric Member Corp	NC
52922	Tipp City Mun Electric System	18941	Tipp City City of	OH
52923	Tipton Municipal Utilities	18628	Tipton City of	KS
52927	Toledo Edison Company	18997	Toledo Edison Co	OH
52930	Tongue River Elec Coop, Inc	19022	Tongue River Electric Coop Inc	MT
52931	Tonkawa Light & Water Dept	19025	Tonkawa City of	OK
52936	Traer Municipal Utilities	19062	Traer City of	IA
52937	Traverse, City of El Lt & Pwr	19125	Traverse City City of	MI
52941	Trenton Light & Power Plant	19149	Trenton City of	TN
52942	Trenton Municipal Utilities (M	19150	Trenton City of	MO
52945	Tri-County Elec Coop, Inc (OK	19160	Tri-County Electric Coop Inc	OK
52951	Tri-County Electric Assn, Inc	19156	Tri-County Electric Assn Inc	WY
52952	Tri-County Electric Coop, Inc	18955	Tri-County Electric Coop Inc	IL
52958	Tri State Gen & Trans Assn, In	30151	Tri-State G & T Assn Inc	CO
52959	Trico Electric Coop, Inc	19189	Trico Electric Coop Inc	AZ
52960	Trinidad Mun Pwr & Lt Dept	19204	Trinidad City of	CO
52967	Truman Public Util Comm	19237	Truman Public Utilities Comm	MN
52970	Tucson Electric Power Company	19259	Tucson Gas & Electric Co	AZ
52971	Tucumcari Light & Power Dept	18811	Tucumcari Associates	NM
52972	Tulia Light & Power Plant	19264	Tulia City of	TX
52975	Turlock-Modesto Irrig Dists	19281	Turlock Irrigation District	CA
52982	Two Harbors Wtr & Lt Dept	19321	Two Harbors City of	MN
52983	Two Rivers Wtr & Lt Utility	19324	Two Rivers City of	WI
52984	Tyler Mun Lt & Pwr Plant	19332	Tyler City of	MN
52985	Tyndall Lt & Wtr Plant	19333	Tyndall City of	SD
52987	Tennessee Valley Authority	18642	Tennessee Valley Authority	TN
52988	UGI Corporation	19390	UGI Corp	PA
52991	Umatilla Electric Coop, Assn	19398	Umatilla Tribe	OR
52994	Union City, Village of (MI)	19432	Union City City of	MI
52997	Union Electric Company (MO)	19436	Union Electric Co	MO
53002	Unionville, City of Light & Wt	19474	Unionville City of	MO
53003	United Illuminating Company, t	19497	United Illuminating Co	CT
53005	United Power Association	19514	United Power Assn	MN
53010	University of Illinois	9314	University of Illinois	IL
53011	University of Iowa, Iowa Cty C	19539	University of Iowa	IA
53012	University of Michigan	11446	University of Michigan	MI
53015	University of North Carolina	19541	University of North Carolina	NC
53016	University of Wisconsin	19540	University of Wisconsin	WI
53018	Upper Peninsula Generating Co	19577	Upper Peninsula Generating Co	MI
53019	Upper Peninsula Power Co	19578	Upper Peninsula Power Co	MI
53020	Upshur Rural Electric Coop Cor	19579	Upshur Rural Elec Coop Corp	TX
53023	US URDA Los Alamos Area Office	19526	U S ERDA	NM
53028	Yakutat Power Inc	30150	Yakutat Power Inc	AK
53031	USBIA Flathead Project	19603	USBIA-Flathead Irr District	MT
53032	USBIA San Carlos Project	19604	U S Bureau of Indian Affairs	AZ
53033	USBIA Wapato Irrigation Projec	19379	USBIA-Wapato Irrigation Proj	WA
53034	WPRS Boulder Canyon Project	28499	USDOE-WAPA-Boulder Canyon	NV
53035	USBR-Watertown	19380	USBR-Watertown	SD
53036	WPRS Central Valley Project	19507	USDOE-WAPA-Central Valley	CA
53037	WPRS Big Thompson Project	19718	USBR-Big Thompson Project	CO
53039	WPRS Columbia Basin Project	19608	USBR-Columbia Basin Project	ID
53040	WPRS Fort Peck (MT)	19609	USBR-Fort Peck Dam & Reservoir	MT
53041	USCE Fort Peck (NE)	21471	USCE-Fort Peck Dam	NE
53042	USCE Hungry Horse Project	19615	USBR-Hungry Horse Power Plantt	ID

Table E-2. (continued)

ORISR	GURF Utility Name	UCODE	Utility Name	State
53043	WPRS Lower Colorado Region	23256	USBR-Lower Colorado Region	NV
53044	WPRS Mid-Pacific Rgn, Sacramen	25431	USBR-Mid-Pacific Region	CA
53045	WPRS Palisades Project	19611	USBR-Palisades Project	ID
53046	WPRS Parker-Davis Proj, Boulde	19612	USDOE-WAPA-Parker-Davis	AZ
53047	WPRS Rio Grande-Falcon Project	19614	USDOE-WAPA-Rio Grande	TX
53049	WPRS Upper Colorado Rgn, Salt	25472	USBR-Upper Colorado Region	UT
53050	USBR-Watertown	19380	USBR-Watertown	SD
53052	USBR-Lower Missouri Region	19551	USBR-Lower Missouri Region	CO
53053	USCE Albeni Falls Reservoir Pr	19616	USCE-Albeni Falls Dam	OR
53054	USCE Allatoona Reservoir Proje	23420	USCE-Allatoona Dam & Reserve	GA
53055	USCE Barkley Dam Project	19617	USCE-Barkley Dam Project	TN
53056	USCE Beaver Reservoir Project	21546	USCE-Beaver Dam	TX
53057	USCE Big Bend Dam & Reservoir	21474	USCE-Big Bend Dam	NE
53058	USCE Blakely Mountain Dam	21483	USCE-Blakely Mountain Dam	MS
53059	USCE Broken Bow Reservoir	21516	USCE-Broken Bow Dam	TX
53060	USCE Buford Dam Project	23424	USCE-Buford Dam & Reservior	GA
53061	USCE Bull Shoals Reservoir Pro	19618	USCE-Bull Shoals Dam	TX
53062	USCE Center Hill Reservoir Pro	19619	USCE-Center Hill Reservoir	TN
53063	USCE Cheatham Lock and Dam Pro	19620	USCE-Cheatham Lock & Dam	TN
53064	USCE Chief Joseph Dam Project	19621	USCE-Chief Joseph Dam	OR
53065	USCE Clark Hill Reservoir Proj	19622	USCE-Clark Hill Lake	GA
53066	USCE Cougar Reservoir Project	19623	USCE-Cougar Dam	OR
53067	USCE Dale Hollow Reservoir Pro	19624	USCE-Dale Hollow Lake Project	TN
53068	USCE Dalles Dam Project	19625	USCE-Dalles Lock & Dam	OR
53069	USCE Dardanelle Reservoir Proj	21629	USCE-Dardanelle Dam	TX
53070	USCE Denison Dam (Texas Side)	19626	USCE-Denison Dam	TX
53071	USCE Detroit Reservoir	21264	USCE-Detroit District	MI
53072	USCE Eufaula Reservoir Project	21505	USCE-Eufaula Dam	TX
53073	USCE Fort Gibson Project	6606	USCE-Fort Gibson Dam	TX
53074	USCE-Omaha District	30456	USCE-Omaha	NE
53075	USCE Garrison Project	21510	USCE-Garrison Dam	NE
53076	USCE Gavins Point Dam & Resvr	19628	USCE-Gavins Point Dam	NE
53077	USCE Green Peter Foster Projec	21299	USCE-Green Peter Lake	OR
53078	USCE Greers Ferry Dam Project	25411	USCE_Greers Ferry Lake	AR
53079	USCE Hartwell Reservoir Projec	23571	USCE-Hartwell Lake	GA
53080	USCE Hills Creek	21309	USCE-Hills Creek Lake	OR
53081	USCE Ice Harbor Project	21310	USCE-Ice Harbor Dam	OR
53082	USCE J Percy Priest Reservoir	21684	USCE-J Percy Priest Dam&Resvr	TN
53083	USCE Jim Woodruff Lock & Dam P	19631	USDOE-SEPA-Jim Woodruff	GA
53084	USCE John Day Dam Project	21322	USCE-John Day Lock & Dam	OR
53085	USCE John H Kerr Reservoir Pro	19632	USCE-John H Kerr Dam&Reservoir	GA
53086	USCE Keystone Reservoir	19592	USCE-Keystone Dam	TX
53087	USCE Little Goose Lock and Dam	21363	USCE-Little Goose Lock & Dam	OR
53088	USCE Lookout Point Dexter Proj	19633	USCE-Lookout Point	OR
53089	USCE Lower Monumental Lock & D	21365	USCE-Lower Monumental Dam	OR
53090	USCE Mcnary Lock and Dam Proje	21366	USCE McNary Dam	OR
53091	USCE Millers Ferry Lock & Dam	19590	USCE-Millers Ferry Lock & Dam	GA
53092	USCE Missouri River Basin Proj	19635	USCE-Missouri River District	NE
53093	USCE Narrows Dam	19636	USCE-Narrows Dam	MS
53094	USCE Norfork Dam Project	19637	USCE-Norfork Dam	TX
53095	USCE-Omaha District	30456	USCE-Omaha	NE
53096	USCE Old Hickory Lock & Dam Pr	19639	USCE-Old Hickory Lock & Dam	TN
53097	USCE Philpott Reservoir Projec	19640	USDOE-SEPA-Kerr-Philpott Sys	GA
53098	USCE Sault Ste Mary	19746	USCE-Saulte Ste Marie Project	MI
53099	USCE Sam Rayburn Dam	21525	USCE-Sam Rayburn Dam Project	TX
53100	USCE Southwestern Division	21712	USCE-Southwest Region	NM
53102	USCE Table Rock Dam Project	19641	USCE-Table Rock Dam	TX
53103	USCE Tenkiller Ferry Project	19642	USCE-Tenkiller Ferry Dam	TX
53104	USCE Walter F George Lock & Da	19643	USCE-Walter F George Lock&Dam	GA
53105	USCE Whitney Dam	19644	USCE-Whitney Dam	TX
53106	USCE Wolf Creek Reservoir Proj	19645	USCE-Wolf Creek Dam	TN
53107	Utah Power & Light Company	19659	Utah Power & Light Co	UT

Table E-2. (continued)

ORISR	GURF Utility Name	UCODE	Utility Name	State
53108	Valdez Light, Power & Telephon	19675	Valdez Light Pwr&Telephone Co	
53110	Valley City Municipal Utilitie	19687	Valley City City of	ND
53113	Valley Electric Memb Corp	19688	Valley Electric Member Corp	LA
53118	Vandalia Municipal Utilities	19722	Vandalia City of	MO
53123	Vermillion, City of (SD)	19788	Vermillion City of	SD
53125	Vermont Electric Cooperative	19791	Vermont Electric Coop Inc	VT
53126	Vermont Electric Power Company	19792	Vermont Electric Power Co Inc	VT
53127	Vermont Marble Company	19794	Vermont Marble Co	VT
53128	Vermont Yankee Nuclear Power C	19796	Vermont Yankee Nucl Pwr Corp	VT
53130	Vernon, City of (TX)	19797	Vernon City of	TX
53132	Vero Beach Mun Pwr System	19804	Vero Beach City of	FL
53138	Villisca Mun Pwr Plant	19843	Villisca City of	IA
53140	Vineland Electric Utility	19856	Vineland City of	NJ
53141	Vinton Municipal Lt Plant (IA)	19865	Vinton City of	IA
53146	Virginia Electric & Power Co	19876	Virginia Electric & Power Co	VA
53147	Virginia Electric Coop	19885	Virginia Electric Coop	VA
53148	Virginia Polytechnie Institute	19882	Virginia Polytechnic Institute	VA
53149	Virginia Pub Utils Comm	19883	Virginia City of	MN
53150	Volga Light & Power Plant	19896	Volga City of	SD
53157	Wahoo Municipal Light Plant	19968	Wahoo City of	NE
53158	Wailua Sugar Co Inc	19969	Waialua Sugar Co Inc	HI
53162	Wakefield Municipal Light Dept	19979	Wakefield Town of	MA
53163	Wakefield Power Plant	19980	Wakefield City of	NE
53167	Wallingford Dept of Pub Util	20038	Wallingford Town of	CT
53173	Wamego City of	20069	Wamego City of	KS
53175	Wallingford (City of)	20038	Wallingford Town of	CT
53177	Warren, City of Mun Lt & Pwr D	20110	Warren City of	MN
53180	Warren R E C Corp	20130	Warren Rural Elec Coop Corp	KY
53185	Washington City Lt & Pwr Dept	20139	Washington City of	IN
53187	Washington City of (KS)	20141	Washington City of	KS
53191	Washington Electric Cooperativ	20151	Washington Electric Coop Inc	VT
53193	Washington Public Power Supply	20160	Washington Pub Pwr Supply Sys	WA
53194	Washington St Tammany Elec Coo	21567	Washington-St Tammany E C Inc	LA
53195	Washington Wtr Pwr Co, The	20169	Washington Water Power Co	WA
53196	Waterloo, City Light & Power	20180	Waterloo City of	IL
53199	Watertown City of	20188	Watertown City of	NY
53206	Wauchula, City of	20209	Wauchula City of	FL
53208	Wauneta Municipal Utilities	20212	Wauneta Village of	NE
53211	Waverly, City of Mun Utilities	20214	Waverly City of	IA
53212	Wayne, City of Municipal Plant	20219	Wayne City of	NE
53215	Wayne-White Counties Elec Coop	20222	Wayne-White Counties Elec Coop	IL
53222	Weatherford City of	20230	Weatherford City of	TX
53225	Weber Basin Water Conservancy	20255	Weber Basin Water Conserv Dist	UT
53226	Webster City Mun Lt & Pwr	20259	Webster City City of	IA
53232	Wellington, City of (KS)	20315	Wellington City of	KS
53233	Wells Electric Association	29295	Wells City of	MN
53234	Wells Rural Electric Company	20322	Wells Rural Electric Co	ID
53238	Welsh City of	20343	Welsh Town of	LA
53239	Wessington Springs Mun El & Lt	20359	Wessington Springs City of	SD
53240	West Bend Mun Power Plant	20364	West Bend City of	IA
53241	West Boylston Municipal Light	20326	West Boylston Town of	MA
53242	West Central Elec Coop, Inc (	20363	West Central Electric Coop Inc	MO
53245	West Liberty Municipal Elec Ut	20380	West Liberty City of	IA
53246	West Memphis, City of	20382	West Memphis City of	AR
53251	West Point Light & Water Works	20393	West Point City of	GA
53256	Cen & SW:West Texas Utilities	20404	West Texas Utilities Co	TX
53257	Westbrook Mun Lt & Pwr Plant	20430	Westbrook City of	MN
53262	Western Farmers Elec Coop (OK)	20447	Western Farmers Elec Coop Inc	OK
53264	Western Illinois Pwr Coop, Inc	29301	Western Illinois Pwr Coop Inc	IL
53266	NE Util:Western Mass Electric	20455	Western Massachusetts Elec Co	MA
53270	Westfield Gas & Electric Dept	20379	Westfield Town of	IA
53280	Wheatland Electric Coop, Inc	20510	Wheatland Electric Coop Inc	KS

Table E-2. (continued)

ORISR	GURF Utility Name	UCODE	Utility Name	State
53293	Whittemore Mun Lt & Pwr Co	20604	Whittemore City of	IA
53295	Wilber, City of	20632	Wilber City of	NE
53296	Wilber Hydro Electric Plant	20632	Wilber City of	NE
53298	Wild Rice Electric Coop, Inc	20639	Wild Rice Electric Coop Inc	MN
53305	Willmar Municipal Util Comm	20737	Willmar Municipal Utils Comm	MN
53309	Wilson City of	20785	Wilson City of	NC
53310	Wilton Mun Lt & Pwr System	20789	Wilton City of	IA
53314	Windom Municipal Utilities	20806	Windom City of	MN
53316	Winfield Mun Light & Power Plt	20813	Winfield City of	KS
53318	Winner Municipal Utilities	20823	Winner City of	SD
53319	Winnetka, Village of	20824	Winnetka Village of	IL
53325	Winterset, City of Mun Utiliti	20835	Winterset City of	IA
53330	Wisconsin Electric Power Co	20847	Wisconsin Electric Power Co	WI
53331	Wisconsin Michigan Power Compa	20866	Wisconsin-Michigan Invest Corp	WI
53332	Wisconsin Power & Light Co	20856	Wisconsin Power & Light Co	WI
53333	Wisconsin Public Service Corp	20860	Wisconsin Public Service Corp	WI
53335	Wisconsin River Power Company	20863	Wisconsin River Power Co	WI
53337	Wisner Elec Lt & Wtr Dept	20880	Wisner City of	NE
53338	Withlacoochee River Elec Coop,	20885	Withlacoochee River Elec Coop	FL
53340	Wolfeboro Mun Elec Dept	20913	Wolfeboro Town of	NH
53341	Wolverine Electric Coop, Inc	20918	Wolverine Electric Coop Inc	MI
53342	Wolverine Power Corporation	20919	Wolverine Power Corp	MI
53344	Wood County Elec Coop, Inc	20927	Wood County Electric Coop Inc	TX
53346	Woodbine Municipal Light & Pow	20949	Woodbine City of	IA
53349	Woodruff Electric Coop Corp	20963	Woodruff Electric Coop Corp	AR
53350	Woodsfield Elec Light Plant	20977	Woodsfield City of	OH
53355	Worthington Mun Pub Utility	21013	Worthington City of	MN
53356	Wrangell Light Plant	21015	Wrangell City of	AK
53357	Wray City of	21021	Wray City of	CO
53360	Wyandotte Dept of Mun Service	21048	Wyandotte Municipal Serv Comm	MI
53364	Y-W Electric Assn, Inc	21075	Y-W Electric Assn Inc	CO
53365	Yadkin, Inc	21076	Yadkin Inc	PA
53368	Yampa Valley Elec Assn, Inc	21081	Yampa Valley Electric Assn Inc	CO
53369	Yankee Atomic Electric Company	21083	Yankee Atomic Electric Co	MA
53370	Yazoo City Public Service Comm	21095	Public Serv Comm of Yazoo City	MS
53374	Yellowstone Valley Elec Coop,	20997	Yellowstone Vlly Elec Coop Inc	MT
53379	Yuba County Water Agency	21140	Yuba County Water Agency	CA
53381	Yuma City of	21143	Yuma City of	CO
53382	Zeeland Board of Public Works	21158	Zeeland City of	MI
53384	Zwonechek Hydro Electric	21193	Zwonechek Hydro Electric	NE
54001	AEP:Appalachian Power Co	733	Appalachian Power Co	OH
54003	Commonwealth Edison Co of Indi	4111	Commonwealth Edison Co IN Inc	IN
54004	East Util:Blackstone Valley El	1796	Blackstone Valley Electric Co	RI
54006	Delmarva Power & Light Co. of	5029	Delmarva Power & Light Co of	MD
54008	Delmarva Power & Light Co of V	5032	Delmarva Power & Light Co of	VA
54010	Indiana-Kentucky Electric Corp	9269	Indiana-Kentucky Electric Corp	OH
54012	AEP:Indiana & Michigan Power C	9271	Indiana & Michigan Electric Co	MI
54013	N Eng Elec:Narragansett Elec C	13214	Narragansett Electric Co	RI
54014	N Eng Elec:Massachusetts Elec	11804	Massachusetts Electric Co	MA
54015	AEP:Kentucky Power Co	22053	Kentucky Power Co	KY
54016	AEP:Michigan Power Company	12433	Michigan Power Co	MI
54017	APS:Monongahela Power Co	12796	Monongahela Power Co	WV
54019	APS:Potomac Edison Co	15263	Potomac Edison Co	MD
54020	GPU:Metropolitan Edison Co	12390	Metropolitan Edison Co	PA
54025	GPU:Pennsylvania Electric Co	14711	Pennsylvania Electric Co	PA
54026	South Beloit Wtr Gas & Elec Co	17535	South Beloit Water Gas&Elec Co	WI
54028	AEP:Ohio Power Co	14006	Ohio Power Co	OH
54030	APS:West Penn Power Co	20387	West Penn Power Co	PA
54032	Rumford Falls Power Co	16407	Rumford Falls Power Co	ME
54037	Cape & Vineyard	2979	Cape & Vineyard Electric Co	MA
54042	N Eng Elec:Granite State Elec	7498	Granite State Electric Co	MA
54050	Westfield Milling & Elec Lt Co	40036	Westfield Milling & El Lgt Co	WI

Table E-2. (continued)

ORISR	GURF Utility Name	UCODE	Utility Name	State
54051	Waterford Electric Light Co	20177	Waterford City of	PA
54062	Abbeville Water & Elec Plant	34	Abbeville City of	SC
54064	Ackley Elec Lt & Pwr Dept	75	Ackley City of	IA
54066	Adrian Lt & Water Comm	150	Adrian Public Utilities Comm	MN
54076	Blue Hill Water & Lt Dept	20848	Blue Hill City of	NE
54077	Bluffton Utilities	1896	Bluffton City of	IN
54090	Cashton Light & Water Plant	3156	Cashton Village of	WI
54095	Central Lincoln Peoples Util D	3264	Central Lincoln Peoples Utl Dt	OR
54117	Marshall Utility Department	11713	Marshall City of	IL
54125	La Farge Municipal Elec Co	10525	La Farge Municipal Electric Co	WI
54130	Merrilan Light & Water Dept	12336	Merrillan City of	WI
54135	Norway Electric Light Dept	13826	Norway City of	MI
54152	U S Army Corps of Engineers	4384	U S Army Corps of Engineers	DC
54155	Central Operating Company	3277	Central Operating Co	WV
54159	USCE-Nashville	19462	USCE-Nashville District	TN
54168	Lewiston Public Works	10963	Lewiston City of	ME
54169	USAF - Loring	24697	U S Air Force-Loring	ME
54171	USN - New London Sub Base	19473	USN-New London Sub Base	CT
54172	Passaic Valley Water Comm	14539	Passaic Valley Water Comm	NJ
54173	Penn - State Correctional Inst	14698	Penn State Correctional Inst	PA
54174	Cardinal Operating Company	3006	Cardinal Operating Co	OH
54176	Ohio State State University	14013	Ohio State University	OH
54178	U.S. Naval Training Station	19600	U S Naval Training Station	IL
54182	White River Power Co	20577	White River Power Co	WI
54183	Washington Island Elec Coop	20153	Washington Island El Coop Inc	WI
54184	Agra Lite Cooperative	155	Agralite Coop	MN
54185	Fort Dodge Mun Utilities	6605	Fort Dodge City of	IA
54189	Ron Vincent	15608	R V Light & Power	CA
54191	Stratton Ice Lt Wtr System	18129	Stratton City of	NE
54195	Beech Bottom Power Company	1465	Beech Bottom Power Co	WV
54204	Proctor Public Util Comm	18524	Tecumseh Utility Authority	OK
54211	Viola Municipal Elec Utility	19867	Viola City of	WI
54219	Cumberland Electric Memb Corp	4624	Cumberland Elec Member Corp	TN
54251	Powell Valley Electric Corp	15293	Powell Valley Electric Coop	VA
54300	USN - Pensacola Tr Cent	14757	USN-Public Works Center	FL
54306	USCE-Omaha District	30456	USCE-Omaha	NE
54314	University of Wyoming	19542	University of Wyoming	WY
54318	Utah St. Agricultural College	19663	Utah State University	UT
54320	Baker (City of)	1130	Baker Electric Coop Inc	ND
54704	Nothern Minnesota Power Assoc	13764	Northern Minnesota Power	MN
54951	Oglethorpe Power Corporation	13994	Oglethorpe Power Corp	GA
54952	Fox Islands Electric Coop, Inc	8780	Fox Islands Electric Coop Inc	ME
54953	Accomack-Northampton Electric	84	A & N Electric Coop	VA
55034	Boise Cascade Papers	28285	Boise Cascade Papers	MN
55058	Cliffs Electric Service	3781	Cliffs Electric Service Co	OH
55087	Dow Chemical Company	5339	Dow Chemical Co	MI
55150	Huron Cement	9104	Huron Cement Co	MI
55214	Niagara of Wisc Paper Co	13574	Niagara of Wisconsin Ppr Corp	WI
55319	USN - Norfolk Naval Base	19448	USN-Public Works Center	VA
55361	Ford Motor Company	6538	Ford Motor Co	MI
55391	White Pine Copper Company	20573	White Pine Copper Co	MI
55600	Springfield City of	17834	Springfield City of	CO
55602	AEP:Ohio Electric Co	4389	Ohio Electric Co	OH
55605	Halstad Municipal Utilities	7969	Halstad City of	MN
55607	Cedar Rapids Water Pol	3201	Cedar Rapids Water Board	IA
55608	Hopkinton Municipal Utility	8847	Hopkinton City of	IA
55609	Stanberry Power Co	17946	Stanberry City of	MO
56510	Colockum Transmission Company	3965	Colockum Transmission Co Inc	WA
56511	East Util:Montaup Electric Co	12833	Montaup Electric Co	MA
56512	GPU:Jersey Central Power & Lig	9726	Jersey Central Power&Light Co	NJ
56513	Atlantic City Electric Co	963	Atlantic City Electric Co	NJ
56514	Holyoke, City of	8774	Holyoke City of	MA

Table E-2. (continued)

ORISR	GURF Utility Name	UCODE	Utility Name	State
56515	Texas Municipal Power Agency	18715	Texas Municipal Power Agency	TX
56516	Mass Mun Wholesale Electric Co	11806	Massachusetts Mun Whls Elec Co	MA
56600	H G Rinkel & Sons	7878	H G Rinkle & Sons	??
56601	Argyle Municipal Elec & Water	792	Argyle City of	WI
56602	Duane J Miller	12570	Miller Duane J	??
56603	Pardeville Elec Commission	14451	Pardeville Village of	WI
56604	D J Figor	6310	Figor D J	??
57033	Pelican Utility Company	29297	Pelican Utility Co	AK
57067	ERDA - Los Alomas Area Off	19589	U S URDA-Los Alamos Area Of	NM
57087	USA - Military Academy	19384	U S Military Academy	NY
57093	Penn State University (The)	14719	Pennsylvania State University	PA
57096	Seminole Electric Coop Inc	21554	Seminole Electric Coop Inc	FL
57203	Intermountain Consumers Power	9386	Intermountain Consumers P Assn	UT
57215	Oak Creek Power Company	14054	Oak Creek Town of	CO
57266	Calif Pac Utils - Henderson, N	2837	CP National Corp	CA
57282	Homer Electric Assn, Inc-Kenai	19558	Homer Electric Assn Inc	AK
57284	Homer Electric Assn, Inc-Seldo	19558	Homer Electric Assn Inc	AK
57313	National Park Service	13266	USDI-National Park Service	CO
57409	WPRS Fryingpan-Arkansas Projec	19557	USDOE-WAPA-Fryingpan-Arkansas	CO
57729	Crater Lake Nat Park	4093	Crater Lake Natural Park	OR
57732	San Miguel Electric Coop	16624	San Miguel Electric Coop Inc	TX
57745	AEP:Indiana & Michigan Electri	9249	Indiana & Michigan Electric Co	OH
57823	Quachita Electric Coop Corp	15574	Quachita Electric Coop Corp	AR
57824	Michigan Municipal Coop Power	12426	Michigan Municipal Coop Pool	MI
57825	Empire State Power Resources,	5861	Empire State Pwr Resources Inc	??
57852	Missouri Basin Municipal Pwr A	40606	Grand Island City of	NE
57853	Heartland Consumers Power Dist	40604	Heartland Consumers Power Dist	SD
57900	Allied Power Coop (IO)	40306	Allied Power Coop of Iowa	IA
57901	Kings River Conservation Dist	10325	Kings River Conservation Dist	CA
57902	Desret Generating & Transmissi	40230	Deseret Generation & Tran Coop	UT
57904	Pacific NW Generating Company	40294	Pacific Northwest Generatg Co	OR
57905	Municipal Elec Authority of Ge	13100	Municipal Electric Authority	GA
90007	Sabine River Auth of La and Tx	16524	Sabine River Authority of LA	LA
99011	Bonneville Power Adm Main Syst	1738	Bonneville Power Admin	OR
99013	Bonneville Power Adm Southern	1961	Bonneville Power Admin	ID
99016	C P National Co-Baker Lagrande	2837	CP National Corp	CA
99018	Calif Pac Utils Co-Needles, Sr	2940	California Pacific Utility Co	CA
99019	Calif Pac Utils Co-Cedar City	2940	California Pacific Utility Co	CA
99021	Citizens Utility Co-Kauai Elec	3616	Citizens Utilities Co	HI
99037	Cen & SW/Central & South West	40023	Central & South West Corp	TX
99038	Square Butte Electric Cooperat	17858	Square Butte Electric Coop Inc	ND
99104	WPRS Colo River, Lower Basin	19610	USDOE-WAPA Lower Colorado Reg	NV
99901	USCE-Kansas City Dist	25477	USCE-Kansas City District	MO
99904	USCE-Robert S Kerr Proj	40608	USCE-Robert S Kerr Dam	TX
99905	USCE-Webbers Falls Proj	40609	USCE-Webber Falls Dam	TX
99906	USCE-Fort Gibson Project	19555	USCE Fort Gibson Dam	OK
99909	USCE-Little Rock	19647	USCE-Little Rock District	AR
99912	USCE-Alt-Buf-Cart Pwr Prj	24636	USCE-Alt-Buf-Cart Power Proj	GA
99913	USCE-Woodruff Proj	19631	USDOE-SEPA-Jim Woodruff	GA
99917	USCE-Wilmington	19420	USCE-Wilmington	NC
99918	USCE-Omaha District	30456	USCE-Omaha	NE
99950	USBR-Southwest Region	29302	USBR-Southwest Region	NM
99951	USBR-Pacific NW Region	21412	USBR-Pacific Northwest Region	ID
99952	USBR-Mid Pacific Region	25431	USBR-Mid-Pacific Region	CA
99953	USBR-Lower Colorado Reg	23256	USBR-Lower Colorado Region	NV
99954	USBR-Upper Colorado Reg	25472	USBR-Upper Colorado Region	UT
99955	USBR-Lower Missouri Region	19551	USBR-Lower Missouri Region	CO
99956	USBR-Watertown	19380	USBR-Watertown	SD
99957	USBR-Upper Missouri Region	25471	USBR-Upper Missouri Region	MT
99996	Several Small Munis and Coops	99996	Several Small Munis and Coops	??
99997	Uncommitted Ownership	99997	Uncommitted Ownership	??

Table E-3

NEDS-DOE Plant Code Concordance File

NEDS Id	ORISPL	NEDS Id	ORISPL
0108000010	47	3507200017	6030
0108800001	533	3507600001	2817
0112000002	7	3507600002	2788
0116000001	10	3507600004	2824
0119200008	50	3507600011	6469
0119800011	6002	3507600012	8222
0124001001	3	3508000001	2790
0124001002	5	3508600001	2823
0130600005	26	3508600020	2823
0133800001	8	3600405001	2850
0134000001	56	3600405003	6031
0300400003	6177	3602205001	2835
0300400004	8223	3602205002	2835
0301800002	160	3602605001	2844
0302000004	4941	3602805004	2942
0304400001	141	3605405002	2864
0304400006	147	3609005009	2917
0304400008	116	3612805001	2830
0304400177	117	3615205001	2840
0304400191	8068	3616005017	2838
0305200001	113	3622205056	312
0306200006	126	3623205001	2876
0306400002	118	3623205002	8102
0309800001	121	3627205052	2832
030980X001	120	3631605010	2866
0401600107	6138	3631605012	2867
0411600011	170	3631605002	2828
0412000042	6641	3632805007	2936
0412800110	6009	3632805012	2837
0413400004	169	3636405001	2836
0420000017	173	3636405003	2857
0422200268	167	3637205017	2877
0423000010	168	3637205045	2878
0600200001	469	3642605001	2937
0602200001	477	3645005041	2848
0606000007	478	3654805001	2843
0606000008	465	3657405013	2943
0607600004	492	3665005027	2858
0607600030	8219	3667005007	2861
0608600003	462	3667205004	2914
0613200053	6761	3671005001	2872
0615200002	468	3671605006	2935
0615200035	471	370060P001	2974
0615600018	6021	3703800002	3006
0616600011	6248	3703800003	2964
0617000004	6516	3704000001	2953
0618000006	508	3705200001	6772

Table E-3. (continued)

NEDS Id	ORISPL	NEDS Id	ORISPL
0618400003	470	3706800007	8059
0618400008	460	371500P001	2997
0619200001	525	3719000011	165
0702650195	568	3719600004	2947
0702654214	548	3720000003	2952
0705650874	562	3720600001	6095
0707052514	544	3721800010	2951
0707053346	569	3726200001	2963
0707053851	6156	3727400003	2956
0707251505	546	3730200009	2965
0900200001	603	3730200036	4940
1000200005	664	3812200016	6106
1000200006	663	3901000028	3099
1002000014	643	3901000029	8226
1003800006	609	3902600001	3178
1003800008	683	3902600012	3136
1004200036	617	3905600005	6094
1004200037	613	3907200045	3115
1005800004	628	3908200009	3135
1008600003	621	3912000006	8012
1008600013	665	3916600023	3159
1010800045	667	3918200021	3131
1010800046	668	3923600014	3161
1010800047	666	3930800016	3121
1011600045	641	3937200006	3179
1017800018	748	3942400001	3118
1018000038	647	3942400002	3130
1018000039	645	3942400003	3122
1018000040	646	3947000054	3145
1019200029	693	3948400015	3138
1019400014	642	3952200014	3176
1022800002	612	3960200003	3149
1023400003	688	3965800010	3148
1025400010	6042	3965800011	3113
1026200001	6043	3971604901	3160
1028200002	6583	3971604903	3168
1028200003	6584	3971604904	3169
1028200004	696	3971604905	3170
1033200001	672	3983200002	3152
1033200002	685	3991800004	3132
1034200042	619	3992000014	3181
1034200045	673	3992000024	3098
1035200017	8048	3995700020	3140
1036000011	634	4103200037	3238
1036000012	630	4103200039	3236
1036800003	675	4200800011	3295
1036800004	676	4202000004	3264

Table E-3. (continued)

NEDS Id	ORISPL
1037800014	6246
1037800025	136
1043200003	638
1046000003	681
1046000009	620
1046000020	629
1103800011	703
1104600002	699
1109800006	733
1109800018	734
1111600003	710
1114200001	728
1117600002	727
1119600003	6124
1121400003	708
1123800004	715
1127200001	6052
1137400008	6257
1142200008	709
1156600004	753
1406800002	957
1411600003	958
1413200003	876
1415400057	939
1415400063	972
1415400077	867
1415400082	886
1416000001	863
1426800002	6016
1430600005	6025
1435800004	862
1436200001	6017
1440000003	883
1446800006	898
1448800002	891
1449000004	887
1452000002	861
1452400003	864
1457800002	960
1461000009	856
1462200003	6238
1464200001	892
1464600002	959
1464600004	889
1467200008	899
1469800001	963
1476000006	879
4204200003	3319
4204200006	3298
4204200030	130
4207400002	3280
4208200002	3251
4208200033	3250
4211400005	6249
4213400003	3317
4215600003	3287
4219000013	3297
4306401001	6098
4309800007	3328
4313000001	3325
4400400009	3396
4413800007	3405
4415400011	3406
4428800013	3407
4430800528	3393
4432800011	3399
4433200025	3403
4601400002	3644
4602800001	8069
4602800003	6165
4609000068	3648
4612200018	3686
4701800022	3755
4701800043	589
4800800003	3788
4807100026	3803
4807200002	3797
4811600001	3796
4813000002	3776
4825200002	3804
4827800003	3775
4834800001	3809
4911000010	3845
4920800033	550
5005600003	3954
5006600015	3944
5007600006	3936
5009800009	3945
5010200005	3948
5010200006	3947
5010600001	3938
5010600009	6264
5011400001	3943
5014600004	3946

Table E-3. (continued)

NEDS Id	ORISPL	NEDS Id	ORISPL
1477800005	897	5014600005	6004
1483200016	874	5015200001	3942
1483200019	384	5015600006	3935
1483200021	884	510400X163	4271
1483400002	976	5101200216	3982
1506000006	1032	5103600094	4072
1510000002	988	5104000163	4140
1511200002	6225	5106000001	8023
1513600004	1008	5106800004	3992
1515600013	6113	5111400015	4146
1517600004	1007	5111400016	4054
1521000008	6085	5115600037	6170
1521400001	983	5116800179	4005
1522600003	1004	5119200195	4078
1523600117	996	512220X045	4039
1523600210	981	5122200045	4041
1524000021	997	5122200046	4042
1526400033	990	5126000069	4040
1526400034	992	5129800027	4132
1526400035	993	5130600030	4048
1527200001	1037	5130600031	4057
1528200003	1024	5132800137	4050
1528800004	991	5136200192	4143
1533400001	1043	5140200153	4127
1533400002	994	5140600214	4126
1534200002	995	5200800002	4150
1534600010	6137	5200800004	6101
1539400020	6166	5201800001	4158
1540200001	984	5204400004	4162
1540200005	6213	5205400003	6204
1542400001	1001	5207000007	8066
1542600021	1010	5208200005	4151
1543600001	1012	0516200012	271
1543600002	6705	0516200018	228
1544400009	1040	0516200025	256
1601000005	1047	0533000059	246
1603400010	1131	0533800015	389
1603400070	1096	0534800031	251
1609400075	1048	0542000030	6013
1612000025	1104	0542003094	330
1612800060	1046	0542005002	356
1619000010	1213	0542005014	408
1622800125	1073	0542005030	315
1622800120	1058	0542005088	377
1623000005	6664	0542005096	399
1624600030	1175	0542005116	420
1624800090	1077	0542005119	341

Table E-3. (continued)

NEDS Id	ORISPL	NEDS Id	ORISPL
1627400020	1218	0542005175	404
1627400055	1167	0542005940	400
1631200380	1083	0542006935	6704
1631400115	1082	0548600025	260
1632800090	1081	0554400023	335
1634800015	1122	0567000004	329
1636800027	6254	0567000028	331
1640200190	1091	0568200072	310
1702000026	1286	0568200073	302
1704400002	1239	0568800024	247
1705000001	1259	0568800026	273
1705200001	8037	0570600008	259
1708600014	1250	0585000013	345
1710600023	108	0585000065	350
1710600034	1336	0800600002	599
1710800001	1233	0801800007	593
1718600004	1296	0801800008	592
1718800007	1281	0802400001	594
1720600013	1300	2603800002	2123
1721000005	1241	2605200004	2098
1721200009	1311	2610200096	2171
1723000013	1306	2616800003	2103
1724200012	1264	2618600005	2161
1726400005	1310	2618600039	6195
1726800012	1265	2620200001	2080
1729600001	6068	2622400022	2079
1730600033	1248	2622400031	2094
1730800016	1263	2622400050	2132
1731600014	1327	2622600001	2076
1732200005	1319	2622800016	6155
1733200012	1240	2627400002	2122
1733200014	1242	2629400007	2173
1733400001	1230	2633000004	2167
1733800030	1252	2634800002	2169
1734200005	1280	2637400007	6065
1734800009	6579	2639200001	2168
1735000020	1289	2641600001	2107
1738400008	6064	2643000010	2104
1738400048	1295	2643800010	2144
1738400049	1294	2644400017	6768
1802000001	1360	3103000012	2398
1802800029	6018	3106600003	2399
1805800010	1356	3107800013	2382
1807200003	1385	3107800001	2378
1809200027	1374	3110500048	2379
1815800003	1381	3110500020	2434
1840200001	1382	3117600037	8008

Table E-3. (continued)

NEDS Id	ORISPL	NEDS Id	ORISPL
1817600012	1372	3122400021	2403
1819200126	1363	3122400022	2404
1819200127	1364	3122600001	2393
1821400003	1353	3129800001	2408
1824600006	1379	3130600007	2390
1826400009	6041	3130600008	2411
1827400001	1355	3139000007	2380
1829600001	1357	3149000001	2384
1830800069	6823	3154400011	2406
1829600006	1378	2212910012	1589
1834600005	1384	2212910092	1594
1840200001	1383	2212910093	1595
1840200052	6639	2212910128	1588
1841400001	1361	2212910194	1626
1905000007	1417	2212910267	1624
1905000008	1416	2212910491	1660
1905200014	1393	2217980001	6081
1908400016	1391	2217980038	9864
1909200002	1396	2217980040	1606
1912800010	1394	2217980117	1642
1913400006	1403	2221210041	1616
1915200002	1443	2221210054	1599
1921400014	1409	2221210060	1613
1921400015	1407	2221210061	1619
1921600004	1404	2221210067	1682
1921600005	1448	2221210286	1615
1922600005	6055	335660CE01	8906
1922600010	1464	3300600366	2539
1923600003	6558	3306400292	2526
1923600010	6190	3310000325	2554
1925200009	1402	3310000340	2682
1925200014	8056	3310800083	2531
1926600007	1400	3320001700	2549
1926600043	1435	333440CE01	2496
1928800019	1439	3343801152	2640
1930800013	1447	3343801752	2642
2002770135	1507	3345203152	2511
2009070029	1470	3345204187	2514
2100800468	602	334660CE01	2503
2100800014	1554	334660CE02	2504
2101200006	1560	334660CE04	2493
2101200007	1553	334660CE05	2502
2101400004	1559	3347200430	6082
2101400079	1552	3351400370	2480
2104400014	1573	3351400475	8006
2106000013	1564	3352400115	2594
2111600019	1572	335660CE02	2500

Table E-3. (continued)

NEDS Id	ORISPL	NEDS Id	ORISPL
2113000014	1571	335720CE01	2490
2116000029	1580	3357800228	2625
2116800005	1570	3357800720	2629
2303400001	1772	3365000110	2529
2304000001	1702	3365801922	2516
2304000002	1720	3365803228	2517
2308600002	1869	3367200120	2535
2311600003	1771	3373201597	2510
2313400001	1832	3376000028	2527
2321400002	4259	455570XXXX	127
2323400001	1731	453080XXXX	6194
2323600003	1831	4501900007	6183
2323600011	1835	4502900002	3601
2332800002	1843	4504200003	3609
2332800003	1769	4504200004	3610
2336000002	1733	4504200005	3612
2336000003	1723	4504200006	3613
2337600005	1695	4504200012	3611
2341600001	1825	4504200063	6181
2341600003	1830	4505500001	6243
2341600004	1710	4505500010	3561
2346200003	1743	4507200005	3436
2346200004	1732	4507500001	3442
2346200005	6034	4507500005	3559
2346200006	6035	4508600003	3460
2353200009	1866	4508700002	3504
2353200010	1740	4510200002	3500
2353200011	1745	4510200015	3576
2353200012	1724	4512300001	3526
2353200013	1736	4513200007	3574
2353200033	1822	4513200008	3451
2353200035	1728	4513200009	3452
2353200038	1726	4513200010	3453
2404000015	1934	4513200011	3455
2405000008	2011	4513200012	3454
2405000010	2001	4517100008	3456
2406400012	1918	4517800001	3508
2409400003	1904	4518000005	6179
2413800005	1926	4518600005	3470
2414800015	1927	4519300002	3497
2416600004	1893	4519900006	3466
2417400005	2022	4520900002	6178
2421800007	1888	4521800007	3476
2421800009	2015	4521900002	6136
2424200001	1961	4523300041	3468
2426600011	2008	4523300042	3469
2427200002	1943	4523300043	3471

Table E-3. (continued)

NEDS Id	ORISPL	NEDS Id	ORISPL
2429400012	1912	4523300044	3461
2432600013	1891	4523300046	3464
2432600027	1979	4523300047	3465
2432600028	2018	4523400022	7902
2434400004	6090	4523700001	3524
2440000005	1915	4524300002	3507
2502400031	2051	4524600002	3438
2505400063	2059	4525400001	8063
2510200055	2049	4527600017	3458
2510800112	2053	4528000009	4938
2512800048	2047	4530800004	3485
2512800090	6073	4533000002	4937
2513600035	2070	4533500001	3602
2514400021	6061	4533500003	3482
2515600048	2062	4534400003	3502
2515600052	2063	4534400004	3506
2527800027	2050	4534800001	3478
2528000048	8054	4536400005	6648
271720X015	2184	4536900001	3492
2717200015	2187	4537200007	3457
2713200003	6089	4539000014	3440
2713600003	6076	4539000015	3441
2713600005	6076	4539000047	4939
2800200042	60	4539600007	3459
2807600001	2240	4540000001	3628
2807800002	2291	4540400001	3627
2811400606	59	4542500004	3484
2815200005	2277	4542500022	6193
2815800019	6077	4543500001	3503
2815800020	6077	4545400011	6146
2819200036	6096	4550700006	3489
2821200005	2237	4550700007	3491
2821800002	2269	4550700008	3493
290080P001	2341	4551900003	6147
290080P002	2324	4551900005	6139
290080P003	2322	4552000003	3527
290080P004	2326	4552100002	3548
2902800001	8224	4552100003	3549
2903600001	2330	4552100013	3550
2905200001	2336	4553500003	3443
3004400026	2364	4554000004	3494
3005800012	2367	4554400002	3439
3005800054	8002	4556900001	3490
3207200001	6574	0306200003	124
3201400011	2450	10XXXXXXXX	610
3202600001	2468	1039600003	658
3203600014	2453	1046200001	689

Table E-3. (continued)

NEDS Id	ORISPL
3205200001	2443
3206400054	2454
3206400034	2446
3207800082	87
3208800002	2469
3210000002	2442
3210000902	2451
3406600073	2727
3407200063	2708
3415600039	2718
3415600040	2732
3428800036	2713
3431400029	2712
3431400045	6250
3433800147	2716
3434200015	2723
3434600004	2720
3435000028	2721
3439400004	8042
3442800017	2709
3506600001	2818

NEDS Id	ORISPL
1446800030	913
19XXXXXXXX	51
1908400011	1392
2432600015	1897
2807000035	2226
3203400002	2444
3404800033	2706
3732800002	3008
3901000037	3182
4205600029	3285
0567000024	358
2622400021	2078
335660XXXX	2491
335660LILC	2513
3100800002	2383
0612000003	8100
453240XXXX	298
05XXXXXXXX	334
11XXXXXXXX	700
46XXXXXXXX	7790

Table E-4

FIPS-AEROS State Code Concordance File

FIPS	AEROS	State Name
1	01	ALABAMA
2	02	ALASKA
4	03	ARIZONA
5	04	ARKANSAS
6	05	CALIFORNIA
8	06	COLORADO
9	07	CONNECTICUT
10	08	DELAWARE
11	09	WASHINGTON DC
12	10	FLORIDA
13	11	GEORGIA
15	12	HAWAII
16	13	IDAHO
17	14	ILLINOIS
18	15	INDIANA
19	16	IOWA
20	17	KANSAS
21	18	KENTUCKY
22	19	LOUISIANA
23	20	MAINE
24	21	MARYLAND
25	22	MASSACHUSETTS
26	23	MICHIGAN
27	24	MINNESOTA
28	25	MISSISSIPPI
29	26	MISSOURI
30	27	MONTANA
31	28	NEBRASKA
32	29	NEVADA
33	30	NEW HAMPSHIRE
34	31	NEW JERSEY
35	32	NEW MEXICO
36	33	NEW YORK
37	34	NORTH CAROLINA
38	35	NORTH DAKOTA
39	36	OHIO
40	37	OKLAHOMA
41	38	OREGON
42	39	PENNSYLVANIA
43	40	PUERTO RICO
44	41	RHODE ISLAND
45	42	SOUTH CAROLINA
46	43	SOUTH DAKOTA
47	44	TENNESSEE
48	45	TEXAS
49	46	UTAH
50	47	VERMONT

Table E-4. (continued)

FIPS	AEROS	State Name
51	48	VIRGINIA
53	49	WASHINGTON
54	50	WEST VIRGINIA
55	51	WISCONSIN
56	52	WYOMING

APPENDIX F

FILES USED IN NURF CREATION

Table F-1

FGDIS SO_2 Scrubber Data Added to the 1985 IDBS Units

ORISPL	Unit	Capacity (MW)	Month on-Line	Year on-Line	Scrubber Efficiency
56	2	235	9	76	59.5
56	3	235	6	79	59.5
8223	1	350	2	85	70
160	ST2	175	8	78	85
160	ST3	175	6	79	85
113	1	115	12	73	55
113	2	235	6	78	75
113	4	350	6	81	95
2442	1	170	11	79	50
2442	2	170	11	79	50
2442	3	196	11	79	50
2442	4	750	12	84	80
2442	5	750	12	84	80
2168	3	667	12	82	91.5
6469	1	385	5	83	68
6469	2	385	10	85	78
6204	1	545	7	80	90
6204	2	500	7	81	90
6204	3	500	11	82	82.5
6823	1	390	9	84	90
6639	1	222	12	79	90
6639	2	222	12	80	90
6016	1	378	8	78	85.3
51	1	640	12	85	76
6017	1	575	12	79	90
6018	2	600	3	81	87
6195	ST1	173	4	77	80
6021	1	400	12	80	85
6021	2	400	5	80	85
6021	3	424	6	84	85
2840	5	373	2	77	89.5
2840	6	373	7	78	89.5
884	1	137	4	72	76
6030	1	500	8	79	54
6030	2	500	9	80	54
2384	1	129	3	86	90
592	1	60	5	80	90
592	2	60	5	80	90
592	3	60	5	80	90
7790	1	400	12	84	95
3098	1	487	10	75	83
3099	1	373	6	74	83
6041	2	500	4	83	79.4
1825	3	58	8	83	90
165	2	520	10	85	85
6213	1	460	8	82	90
6213	2	460	2	82	90
298	1	720	10	85	90
298	2	720	10	86	90
3470	8	545	12	82	70
994	ST3	515	12	77	85
994	4	515	1	86	90
207	1	550	12	86	99.8
1241	1	820	6	73	80
6068	1	680	8	78	60
6068	2	680	5	80	60
6068	3	680	5	83	60
1250	4	115	1	77	73
1250	5	400	4	78	52

Table F-1. (continued)

ORISPL	Unit	Capacity (MW)	Month on-Line	Year on-Line	Scrubber Efficiency
1357	3	59	6	76	98
676	3	350	9	82	85
6481	1	761	2	86	90
1363	4	175	8	77	85
1363	5	192	7	78	85
1363	6	277	4	79	95
1364	1	334	4	81	85
1364	2	325	4	82	85
1364	3	420	3	79	85
1364	4	495	10	82	85
1843	3	40	4	83	80
4259	1	50	5	83	90
1893	3	347	1	73	89
1893	4	504	4	80	89
1891	1	57	6	71	50
1891	2	57	6	71	50
2823	2	402	6	78	78
6004	1	580	12	78	90
6004	2	580	12	80	90
6076	1	332	11	75	60
6076	2	332	10	76	60
6076	3	700	1	84	95
6076	4	700	12	86	95
8222	1	400	5	81	70
6089	1	50	12	75	50
1167	9	150	8	83	94
2324	1	110	4	74	90
2324	2	110	4	74	90
2324	3	110	7	76	85
2324	4	250	7	83	85
6082	1	572	8	84	90
6085	17	388	6	83	90
6085	18	388	12	85	90
1927	6	103	12	80	90
6090	1	710	5	76	50
6090	2	710	4	77	50
8066	2	508	6	86	86.4
6101	1	327	4	72	50
4158	4	315	9	86	50
8066	4	508	2	80	91
6094	1	780	6	76	92.1
6094	2	780	10	77	92.1
6094	3	800	10	80	92.2
3159	1	150	1	83	92
3161	1	208	12	82	92
3161	2	290	12	82	92
87	1	210	11	83	75
6761	1	250	4	84	80
1572	ST1	183	6	78	50
1572	2	183	6	78	50
1572	3	183	9	75	50
465	4	109	9	73	50
469	1	100	6	73	50
469	4	350	7	74	50
477	5	157	11	71	85
6113	5	613	3	83	86
2451	1	314	4	78	90
2451	2	306	8	78	90
2451	3	468	12	79	90
2451	4	472	7	82	90
6177	CO1	350	12	79	82
6177	CO2	350	10	81	82

Table F-1. (continued)

ORISPL	Unit	Capacity (MW)	Month on-Line	Year on-Line	Scrubber Efficiency
6183	1	380	10	81	86
136	1	600	2	84	86
136	2	600	9	84	86
8224	2	250	6	85	70
6768	1	207	9	81	80
130	2	450	5	84	85.8
6249	2	258	7	77	45
6249	3	252	7	80	90
6249	4	252	9	81	80
6061	1	190	8	78	85
6061	2	190	6	79	85
976	4	161	6	79	89.4
6137	1	250	4	79	85
6137	2	250	2	86	90
7902	1	670	12	84	85
6193	1	320	4	77	50
963	3	350	1	81	95
645	ST4	419	12	84	90
108	1	280	8	83	80
1378	1	650	7	83	84
1378	2	650	12	83	84
50	7	575	9	81	80
50	8	516	1	78	80
6136	1	400	10	83	87.4
6648	4	545	1	81	75
6146	1	750	10	77	71
6146	2	750	5	78	71
6146	3	750	2	79	71
6147	3	750	10	78	74
2824	1	187	11	82	72.7
6165	1	393	5	79	80
6165	2	393	6	80	80
6165	3	400	6	83	90
8069	1	400	5	78	80
4162	3	310	12	81	70
3181	3	291	9	82	95
127	1	640	11	86	70
8066	1	508	1	90	0
8066	3	508	1	90	0

Table F-2

Planned Scrubber Data Added to the 1985 IDBS Units

ORISPL	Unit
564	1
6248	2
6769	1
6769	2
6769	3
6769	4
6177	CO3
207	2
130	1
954	1
6180	1
6180	2
6148	1
6146	4
929	1
929	2
113	5
6178	2
8219	2
7790	2
54	1
6481	2
6071	1
6179	3
6179	4
6090	3
8223	2
8223	3

Table F-3

Scrubber Retrofit Factors

Plant Name	ORISPL	Boiler	Retrofit Factor	Source
Allen	3393	1	1.31	Radian
Allen	3393	2	1.41	Radian
Allen	3393	3	1.51	Radian
Bull Run	3396	1	1.38	Radian
Gallatin	3403	1	1.53	Radian
Gallatin	3403	2	1.53	Radian
Gallatin	3403	3	1.42	Radian
Gallatin	3403	4	1.42	Radian
Kingston	3407	1	1.31	Radian
Kingston	3407	2	1.31	Radian
Kingston	3407	3	1.31	Radian
Kingston	3407	4	1.31	Radian
Kingston	3407	5	1.71	Radian
Kingston	3407	6	1.71	Radian
Kingston	3407	7	1.71	Radian
Kingston	3407	8	1.71	Radian
Kingston	3407	9	1.71	Radian
John Sevier	3405	1	1.38	Radian
John Sevier	3405	2	1.38	Radian
John Sevier	3405	3	1.38	Radian
John Sevier	3405	4	1.38	Radian
Shawnee	1379	1	1.38	Radian
Shawnee	1379	2	1.38	Radian
Shawnee	1379	3	1.38	Radian
Shawnee	1379	4	1.38	Radian
Shawnee	1379	5	1.38	Radian
Shawnee	1379	6	1.48	Radian
Shawnee	1379	7	1.48	Radian
Shawnee	1379	8	1.48	Radian
Shawnee	1379	9	1.48	Radian
Shawnee	1379	10	1.48	Radian
Widows Creek	50	1	1.59	Radian
Widows Creek	50	2	1.59	Radian
Widows Creek	50	3	1.59	Radian
Widows Creek	50	4	1.64	Radian
Widows Creek	50	5	1.64	Radian
Widows Creek	50	6	1.64	Radian
Brown	1355	1	1.58	Radian
Brown	1355	2	1.52	Radian
Brown	1355	3	1.41	Radian
Cumberland	3399	1	1.46	Radian
Cumberland	3399	2	1.35	Radian
Johnsonville	3406	1	1.48	Radian
Johnsonville	3406	2	1.48	Radian
Johnsonville	3406	3	1.48	Radian
Johnsonville	3406	4	1.48	Radian

Table F-3. (continued)

Plant Name	ORISPL	Boiler	Retrofit Factor	Source
Johnsonville	3406	5	1.48	Radian
Johnsonville	3406	6	1.48	Radian
Johnsonville	3406	7	1.48	Radian
Johnsonville	3406	8	1.48	Radian
Johnsonville	3406	9	1.48	Radian
Johnsonville	3406	10	1.48	Radian
Paradise	1378	1	1.30	Radian
Paradise	1378	2	1.30	Radian
Paradise	1378	3	1.28	Radian
Colbert	47	1	1.49	Radian
Colbert	47	2	1.49	Radian
Colbert	47	3	1.49	Radian
Colbert	47	4	1.49	Radian
Colbert	47	5	1.33	Radian
Elmer Smith	1374	1	1.65	Radian
Elmer Smith	1374	2	1.26	Radian
Big Sandy	1353	1	1.44	Radian
Big Sandy	1353	2	1.48	Radian
Rush Island	6155	1	1.39	Radian
Rush Island	6155	2	1.31	Radian
Asbury	2076	1	1.31	Radian
New Madrid	2167	1	1.31	Radian
New Madrid	2167	2	1.31	Radian
Sioux	2107	1	1.36	Radian
Sioux	2107	2	1.30	Radian
Meramec	2104	1	1.59	Radian
Meramec	2104	2	1.53	Radian
Meramec	2104	3	1.48	Radian
Meramec	2104	4	1.38	Radian
Labadie	2103	1	1.62	Radian
Labadie	2103	2	1.55	Radian
Labadie	2103	3	1.57	Radian
Labadie	2103	4	1.52	Radian
Sibley	2094	1	1.64	Radian
Sibley	2094	2	1.64	Radian
Sibley	2094	3	1.48	Radian
Hawthorn	2079	5	1.42	Radian
Thomas Hill	2168	1	1.40	Radian
Thomas Hill	2168	2	1.40	Radian
Joppa	887	1	1.41	Radian
Joppa	887	2	1.41	Radian
Joppa	887	3	1.60	Radian
Joppa	887	4	1.60	Radian
Joppa	887	5	1.41	Radian
Joppa	887	6	1.41	Radian
Coffeen	861	1	1.44	Radian
Coffeen	861	2	1.44	Radian

Table F-3. (continued)

Plant Name	ORISPL	Boiler	Retrofit Factor	Source
Kincaid	876	1	1.41	Radian
Kincaid	876	2	1.41	Radian
Baldwin	889	1	1.49	Radian
Baldwin	889	2	1.58	Radian
Baldwin	889	3	1.42	Radian
Dallman	963	1	1.64	Radian
Dallman	963	2	1.64	Radian
Newton	6017	2	1.24	Radian
Vermilion	897	ST1	1.38	Radian
Vermilion	897	2	1.38	Radian
Marion	976	1	1.48	Radian
Marion	976	2	1.61	Radian
Marion	976	3	1.61	Radian
Poston	2844	1	1.36	Radian
Poston	2844	2	1.36	Radian
Poston	2844	3	1.36	Radian
Poston	2844	4	1.36	Radian
Avon Lake	2836	9	1.44	Radian
East Lake	2837	1	1.44	Radian
East Lake	2837	2	1.44	Radian
East Lake	2837	3	1.44	Radian
East Lake	2837	4	1.44	Radian
East Lake	2837	5	1.71	Radian
Beckjord	2830	1	1.82	Radian
Beckjord	2830	2	1.82	Radian
Beckjord	2830	3	1.82	Radian
Beckjord	2830	4	1.82	Radian
Beckjord	2830	5	1.72	Radian
Beckjord	2830	6	1.34	Radian
Miami Fort	2832	6	1.44	Radian
Miami Fort	2832	7	1.24	Radian
Cardinal	2828	1	1.24	Radian
Cardinal	2828	2	1.24	Radian
Cardinal	2828	3	1.61	Radian
Toronto	2867	5	1.27	Radian
Toronto	2867	6	1.27	Radian
Toronto	2867	7	1.27	Radian
Burger	2864	1	1.27	Radian
Burger	2864	2	1.27	Radian
Burger	2864	3	1.27	Radian
Burger	2864	4	1.27	Radian
Burger	2864	5	1.27	Radian
Sammis	2866	6	2.78	Radian
Sammis	2866	7	1.71	Radian
Stuart	2850	1	1.38	Radian

Table F-3. (continued)

Plant Name	ORISPL	Boiler	Retrofit Factor	Source
Stuart	2850	2	1.4	Radian
Keystone	3136	1	1.31	Radian
Keystone	3136	2	1.31	Radian
Homer City	3122	1	1.31	Radian
Homer City	3122	2	1.31	Radian
Homer City	3122	3	1.31	Radian
Cheswick	8226	1	1.47	Radian
Bruner Island	3140	1	1.48	Radian
Bruner Island	3140	2	1.50	Radian
Bruner Island	3140	3	1.48	Radian
Portland	3113	1	1.20	Radian
Portland	3113	2	1.20	Radian
Sunbury	3152	1	1.76	Radian
Sunbury	3152	2	1.76	Radian
Sunbury	3152	3	1.76	Radian
Sunbury	3152	4	1.76	Radian
Martins Creek	3148	1	1.27	Radian
Martins Creek	3148	2	1.27	Radian
Conemaugh	3118	1	1.31	Radian
Conemaugh	3118	2	1.31	Radian
Montour	3149	1	1.24	Radian
Montour	3149	2	1.24	Radian
New Castle	3138	1	1.19	Radian
New Castle	3138	2	1.19	Radian
New Castle	3138	3	1.19	Radian
New Castle	3138	4	1.19	Radian
New Castle	3138	5	1.19	Radian
Seward	3130	4	1.37	Radian
Seward	3130	5	1.37	Radian
Coleman	1381	1	1.36	Radian
Coleman	1381	2	1.36	Radian
Coleman	1381	3	1.26	Radian
Cooper	1384	1	1.35	Radian
Cooper	1384	2	1.35	Radian
Muskingum River	2872	1	1.63	Radian
Muskingum River	2872	2	1.63	Radian
Muskingum River	2872	3	1.60	Radian
Muskingum River	2872	4	1.60	Radian
Muskingum River	2872	5	1.49	Radian
Conesville	2840	1	1.42	Radian
Conesville	2840	2	1.42	Radian
Conesville	2840	3	1.40	Radian
Conesville	2840	4	1.44	Radian

Table F-3. (continued)

Plant Name	ORISPL	Boiler	Retrofit Factor	Source
Bowen	703	1	1.68	Radian
Bowen	703	2	1.68	Radian
Bowen	703	3	1.55	Radian
Bowen	703	4	1.55	Radian
Wansley	6052	1	1.49	Radian
Wansley	6052	2	1.49	Radian
Yates	728	6	1.20	Radian
Yates	728	7	1.20	Radian
Ereed	984	1	1.31	Radian
Stout	990	7	1.38	Radian
Gibson	6113	1	1.27	Radian
Gibson	6113	2	1.60	Radian
Gibson	6113	3	1.60	Radian
Gibson	6113	4	1.60	Radian
Morgantown	1573	ST1	1.20	Radian
Morgantown	1573	ST2	1.20	Radian
King	1915	1	1.20	Radian
Watson	2049	5	1.48	Radian
Gavin	8102	1	1.27	Radian
Gavin	8102	2	1.27	Radian
Hatfields Ferry	3179	1	1.46	Radian
Hatfields Ferry	3179	2	1.46	Radian
Hatfields Ferry	3179	3	1.46	Radian
Mt. Storm	3954	1	1.31	Radian
Mt. Storm	3954	2	1.31	Radian
Mt. Storm	3954	3	1.20	Radian
Greene County	10	1	1.27	Radian
Greene County	10	2	1.27	Radian
Crist	641	6	2.00	Radian
Crist	641	7	2.00	Radian
Big Bend	645	1	1.65	Radian
Big Bend	645	ST2	1.65	Radian
Big Bend	645	ST3	1.60	Radian
Hammond	708	4	1.27	Radian
Ratts	1043	1	1.27	Radian
Ratts	1043	2	1.27	Radian
Petersburg	994	ST1	1.70	Radian
Petersburg	994	ST2	1.70	Radian
Cayuga	1001	1	1.29	Radian
Cayuga	1001	2	1.29	Radian
Chalk Point	1571	ST1	1.20	Radian
Chalk Point	1571	ST2	1.20	Radian
Campbell	1710	1	1.68	Radian
Campbell	1710	2	1.68	Radian

Table F-3. (continued)

Plant Name	ORISPL	Boiler	Retrofit Factor	Source
Monroe	1733	1	1.48	Radian
Monroe	1733	2	1.48	Radian
Monroe	1733	3	1.38	Radian
Monroe	1733	4	1.38	Radian
Kyger Creek	2876	1	1.74	Radian
Kyger Creek	2876	2	1.74	Radian
Kyger Creek	2876	3	1.74	Radian
Kyger Creek	2876	4	1.66	Radian
Kyger Creek	2876	5	1.61	Radian
Harrison	3944	1	1.41	Radian
Harrison	3944	2	1.41	Radian
Harrison	3944	3	1.41	Radian
Hammond	708	1	1.27	Radian
Hammond	708	2	1.27	Radian
Hammond	708	3	1.27	Radian
McDonough	710	1	1.70	Radian
McDonough	710	2	1.70	Radian
Yates	728	1	1.31	Radian
Yates	728	2	1.31	Radian
Yates	728	3	1.31	Radian
Yates	728	4	1.31	Radian
Yates	728	5	1.31	Radian
Hennepin	892	1	1.48	Radian
Hennepin	892	2	1.48	Radian
Clifty Creek	983	1	1.40	Radian
Clifty Creek	983	2	1.40	Radian
Clifty Creek	983	3	1.40	Radian
Clifty Creek	983	4	1.27	Radian
Clifty Creek	983	5	1.27	Radian
Clifty Creek	983	6	1.27	Radian
Tanners Creek	988	4	1.38	Radian
Bailly	995	7	1.23	Radian
Bailly	995	8	1.23	Radian
Michigan City	997	12	1.48	Radian
Gallagher	1008	1	1.48	Radian
Gallagher	1008	2	1.48	Radian
Gallagher	1008	3	1.29	Radian
Gallagher	1008	4	1.29	Radian
Wabash River	1010	6	1.40	Radian
Warrick	6705	4	1.27	Radian

Table F-3. (continued)

Plant Name	ORISPL	Boiler	Retrofit Factor	Source
Henderson II	1382	1	1.20	Radian
Henderson II	1382	2	1.20	Radian
Ghent	1356	1	1.64	Radian
Dickerson	1572	ST1	1.20	Radian
Dickerson	1572	2	1.20	Radian
Dickerson	1572	3	1.20	Radian
Watson	2049	4	1.57	Radian
Merrimack	2364	1	1.20	Radian
Merrimack	2364	2	1.20	Radian
Toronto	2867	5	1.27	Radian
Toronto	2867	6	1.27	Radian
Toronto	2867	7	1.27	Radian
Canadys	3280	1	1.27	Radian
Canadys	3280	2	1.27	Radian
Canadys	3280	3	1.42	Radian
Jefferies	3319	3	1.53	Radian
Jefferies	3319	4	1.59	Radian
Nelson Dewey	4054	1	1.41	Radian
Nelson Dewey	4054	2	1.41	Radian
Pulliam	4072	5	1.20	Radian
Pulliam	4072	6	1.20	Radian
Fort Martin	3943	1	1.57	Radian
Fort Martin	3943	2	1.57	Radian
Crist	641	4	1.88	Radian
Crist	641	5	1.88	Radian
Grand Tower	862	3	1.49	Radian
Grand Tower	862	4	1.49	Radian
Stout	990	5	1.68	Radian
Stout	990	6	1.68	Radian
Wabash River	1010	1	1.40	Radian
Wabash River	1010	2	1.40	Radian
Wabash River	1010	3	1.40	Radian
Wabash River	1010	4	1.40	Radian
Wabash River	1010	5	1.40	Radian
Culley	1012	1	1.70	Radian
Culley	1012	2	1.70	Radian
Culley	1012	3	1.53	Radian
Salem Harbor	1626	1	1.31	Radian
Salem Harbor	1626	2	1.31	Radian
Salem Harbor	1626	3	1.31	Radian
Montrose	2080	1	1.30	Radian
Montrose	2080	2	1.30	Radian

Table F-3. (continued)

Plant Name	ORISPL	Boiler	Retrofit Factor	Source
Montrose	2080	3	1.30	Radian
England	2378	1	1.40	Radian
England	2378	2	1.40	Radian
Greenidge	2527	3	1.48	Radian
Greenidge	2527	4	1.48	Radian
Milliken	2535	1	1.41	Radian
Milliken	2535	2	1.34	Radian
Dunkirk	2554	1	1.53	Radian
Dunkirk	2554	2	1.53	Radian
Dunkirk	2554	3	1.35	Radian
Huntley	2549	65	1.35	Radian
Huntley	2549	64	1.35	Radian
Russell	1319	1	1.55	Radian
Ashtabula	2835	8	1.83	Radian
Ashtabula	2835	9	1.83	Radian
Niles	2861	1	1.27	Radian
Niles	2861	2	1.27	Radian
Sammis	2866	5	2.20	Radian
Shawville	3131	1	1.91	Radian
Shawville	3131	2	1.91	Radian
Shawville	3131	3	1.91	Radian
Shawville	3131	4	1.91	Radian
Armstrong	3178	1	1.20	Radian
Armstrong	3178	2	1.20	Radian
Oak Creek	4039	1	1.41	Radian
Oak Creek	4039	2	1.41	Radian
Oak Creek	4039	3	1.53	Radian
Oak Creek	4039	4	1.53	Radian
Oak Creek	4041	5	1.53	Radian
Oak Creek	4041	6	1.53	Radian
Oak Creek	4041	7	1.41	Radian
Oak Creek	4041	8	1.41	Radian
Valley	4042	1	1.73	Radian
Valley	4042	2	1.73	Radian
Port Washington	4040	1	1.38	Radian
Port Washington	4040	2	1.38	Radian
Port Washington	4040	3	1.38	Radian
Port Washington	4040	4	1.38	Radian
Port Washington	4040	5	1.38	Radian
Edgewater	4050	4	1.41	Radian
Edgewater	4050	3	1.41	Radian

Table F-3. (continued)

Plant Name	ORISPL	Boiler	Retrofit Factor	Source
Pulliam	4072	3	1.20	Radian
Pulliam	4072	4	1.20	Radian
Albright	3942	1	1.20	Radian
Albright	3942	2	1.20	Radian
Kammer	3947	1	1.42	Radian
Kammer	3947	2	1.42	Radian
Kammer	3947	3	1.42	Radian
Mitchell	3948	1	1.27	Radian
Mitchell	3948	2	1.27	Radian

Table F-4

IDBS Units Undergoing Coal Conversion

DOE Cat	ORISPL	Unit	Year off-Line	Year on-Line	Capacity	
					Original (MW)	Proj (MW)
C	2399	7	86	86	180	175
D	2490	2	99	99	335	335
D	2490	3	99	99	491	491
D	2500	3	99	99	972	972
C	2629	4	87	87	197	191
C	2629	5	86	87	202	196
C	2480	3	87	87	120	133
C	2480	4	86	87	219	230
C	2517	3	87	88	190	186
C	2517	4	88	89	190	186
B	1496	3	83	91	36	36
B	1496	4	83	91	36	36
B	1496	5	83	91	37	36
B	2367	5	85	86	53	48
B	2367	6	84	86	53	49
C	3238	12	86	86	98	98
C	2398	2	90	90	283	277
C	2629	3	93	94	63	63
B	3803	ST1	80	87	101	108
B	3803	ST2	80	86	101	113
B	3804	1	80	87	74	74
B	3804	2	80	87	69	69
C	0126	ST1	89	90	81	37
C	0126	ST2	89	90	81	37
C	0126	ST3	87	90	104	84
C	1588	6	87	87	144	151
C	1588	4	86	87	136	142
C	1588	5	87	87	135	142
C	1589	1	88	87	380	374
C	1589	2	89	88	380	374

Note: DOE Category
A = The unit was converted
B = The unit is in the process of converting
C = The unit is expected to convert
D = The unit is being studied for conversion

Year off-line is the year the unit is scheduled to begin conversion; year off-line is the year the unit is expected to begin operation after conversion.

Table F-5

Modifications to 1985 IDBS Units' Projected Retirement Dates

Plant Name, State	ORISPL	Unit	Proj Retire Year
PLYMOUTH MEETING, PA	3167	15	.
PLYMOUTH MEETING, PA	3167	9	.
RICHMOND, PA	3168	21	.
RICHMOND, PA	3168	22	.
RICHMOND, PA	3168	31	.
RICHMOND, PA	3168	32	.
RICHMOND, PA	3168	41	.
RICHMOND, PA	3168	42	.
RICHMOND, PA	3168	43	.
RICHMOND, PA	3168	44	.
RICHMOND, PA	3168	51	.
RICHMOND, PA	3168	52	.
RICHMOND, PA	3168	61	.
RICHMOND, PA	3168	62	.
RICHMOND, PA	3168	71	.
RICHMOND, PA	3168	72	.
RICHMOND, PA	3168	73	.
RICHMOND, PA	3168	74	.
RICHMOND, PA	3168	81	87
ALAMOSA, CO	464	4	86
ALAMOSA, CO	464	5	86
ALAMOSA, CO	464	6	86
RIVERSIDE, IA	1081	GT1	86
RIVERSIDE, IA	1081	GT2	86
RIVERSIDE, IA	1081	GT3	86
RIVERSIDE, IA	1081	GT4	86
GRAND MARAIS, MN	1976	1	86
ACME, OH	2877	1	86
TUNNEL JET, CT	557	10	89
GREEN BAYOU, TX	3464	2	87
ETIWANDA, CA	331	1	87
ETIWANDA, CA	331	2	87
STATION B, CA	311	HT	87
CABOT-HOLYOKE, MA	9864	9	87
AUSTIN DT, MN	1960	5	87
BLOOMING PRAIRIE, MN	1966	1	87
BLOOMING PRAIRIE, MN	1966	2	87
FAIRMONT, MN	1973	6	87
FAIRMONT, MN	1973	7	87
GRAND MARAIS, MN	1976	2	87
GRAND MARAIS, MN	1976	5	87
GRAND MARAIS, MN	1976	6	87
LITCHFIELD, MN	1989	5	87
LITCHFIELD, MN	1989	6	87
MORA, MN	1997	2	87
MORA, MN	1997	5	87
MORA, MN	1997	6	87
NEW PRAGUE, MN	1999	2	87
NEW PRAGUE, MN	1999	3	87
NEW PRAGUE, MN	1999	4	87
NEW PRAGUE, MN	1999	6	87
NORTH BRANCH, MN	2002	1	87
NORTH BRANCH, MH	2002	3	87
OWATONNA, MN	2003	5	87
OWATONNA, MN	2003	6	87
OWATONNA, MN	2003	7	87
PRESTON, MN	2004	5	87
PRESTON, MN	2004	6	87
PRINCETON, MN	2005	3	87

Table F-5. (continued)

Plant Name, State	ORISPL	Unit	Proj Retire Year
PRINCETON, MN	2005	4	87
PRINCETON, MN	2005	5	87
PRINCETON, MN	2005	6	87
SPRING VALLEY, MN	2013	2	87
SPRING VALLEY, MN	2013	3	87
SPRING VALLEY, MN	2013	4	87
WELLS, MN	2020	1	87
WELLS, MN	2020	2	87
WELLS, MN	2020	4	87
WELLS, MN	2020	5	87
ATHENS, WI	3981	1	87
ATHENS, WI	3981	2	87
BARRY, AL	3	GT1	88
BARRY, AL	3	GT2	88
LAKE SHORE, OH	2838	14	88
LAKE SHORE, OH	2838	15	88
REDONDO BEACH, CA	356	5	88
REDONDO BEACH, CA	356	6	88
SCHUYKILL, PA	3169	3	87
SAN BERNARDINO, CA	358	1	89
SAN BERNARDINO, CA	358	2	89
BRYAN, OH	2903	5	89
GORGAS, GA	8	5	90
ATKINSON, GA	700	ST2	90
NATCHITOCHES, LA	1450	10	90
NATCHITOCHES, LA	1450	2	90
NATCHITOCHES, LA	1450	8	90
NATCHITOCHES, LA	1450	9	90
MIAMI FORT, OH	2832	GT1	90
MIAMI FORT, OH	2832	GT2	90
MICHIGAN CITY, IN	997	2	90
DELAWARE, PA	3160	7	90
DELAWARE, PA	3160	8	90
GRANDFIELD DIESEL, OK	2959	IC1	90
TRACY TURBINES, NV	2336	GT1	91
HOOT LAKE, MN	1943	1	91
MICHIGAN CITY, IN	997	3	91
DELAWARE CITY, DE	592	3	91
OPELOUSAS, LA	1454	ST1	91
OPELOUSAS, LA	1454	ST2	91
NINEMILE, LA	1403	1	91
B.C. COBB, MI	1695	1	92
B.C. COBB, MI	1695	2	92
B.C. COBB, MI	1695	3	92
CHICKSAW, AL	5	3	92
TRACY TURBINES, NV	2336	GT2	92
MIAMI FORT, OH	2832	GT3	92
MIAMI FORT, OH	2832	GT4	92
MIAMI FORT, OH	2832	GT5	92
MIAMI FORT, OH	2832	GT6	92
AUSTIN NE STATION, MN	1961	1	92
FAIRMONT, MN	1973	5	92
SCOTTSBLUFF (BLUFFS), NE	2276	2	92
SILVER LAKE, MN	2008	3	92
SILVER LAKE, MN	2008	4	92
ENID, OK	2950	1	93
ENID, OK	2950	2	93
ENID, OK	2950	3	93
ENID, OK	2950	4	93
WOODWARD, OK	2958	GT1	93
DICKS CREEK, OH	2831	3	93
DICKS CREEK, OH	2831	4	93

Table F-5. (continued)

Plant Name, State	ORISPL	Unit	Proj Retire Year
DICKS CREEK, OH	2831	5	93
BLACKSTONE, MA	1594	1	93
BLACKSTONE, MA	1594	3	93
BLACKSTONE, MA	1594	4	93
NINEMILE, LA	1403	2	93
LONE STAR, TX	3477	1	93
LONE STAR, TX	3477	2	93
LONE STAR, TX	3477	3	93
LONE STAR, TX	3477	4	93
COS COB, CT	542	10	94
COS COB, CT	542	11	94
COS COB, CT	542	12	94
A.B. PATERSON, LA	1407	4	94
GADSDEN, AL	7	1	95
GADSDEN, AL	7	2	95
EATON, MS	2046	3	95
MUSTANG, OK	2953	1	95
MUSTANG, OK	2953	2	95
DAVID CITY, NE	2233	1	95
DAVID CITY, NE	2233	2	95
DAVID CITY, NE	2233	3	95
DAVID CITY, NE	2233	4	95
DICKS CREEK, OH	2831	1	95
MONTVILLE, CT	546	5	95
SOUTH MEADOW, CT	563	11	95
SOUTH MEADOW, CT	563	12	95
SOUTH MEADOW, CT	563	13	95
SOUTH MEADOW, CT	563	14	95
NINEMILE, LA	1403	3	95
DELRAY, MI	1728	14	87
DELRAY, MI	1728	15	87
MARTINEZ, CA	256	1	86
WIND TURBINE TEST, CA	28	WT4	86
WIND TURBINE TEST, CA	28	2	86
ENFIELD, CT	545	10	86
SEBRING, FL	686	IC1	86
MOLINE, IL	899	6	86
MOLINE, IL	899	8	86
SULLIVAN,	969	8	86
AMES, IA	1122	6	86
BOONE, IA	1056	1	86
BOONE, IA	1056	2	86
ATLANTIC, IA	1124	3	86
CASCADE, IA	1129	3	.
DENNISON, IA	1136	4	86
GREENFIELD, IA	1144	2	86
WICHITA, KS	1245	3	86
WICHITA, KS	1245	4	86
ABILENE, KS	1251	ST1	86
ABILENE, KS	1251	2	86
OTTAWA, KS	1316	ST2	86
ST JOHN, KS	1322	2	86
HOUMA, LA	1439	13	86
DIESEL PLANT, MI	1855	3	88
DIESEL PLANT, MI	1855	1	88
DIESEL PLANT, MI	1855	2	88
DIESEL PLANT, MI	1855	4	88
DIESEL PLANT, MI	1855	5	88
NEWBERRY, MI	1846	3	86
TWIN LAKES, MN	2026	1	86
TWIN LAKES, MN	2026	2	86
TWIN LAKES, MN	2026	3	86

Table F-5. (continued)

Plant Name, State	ORISPL	Unit	Proj Retire Year
TWIN LAKES, MN	2026	4	86
SLEEPY EYE, MN	2011	4	86
LITTLEFORK, MN	2028	1	86
LITTLEFORK, MN	2028	4	86
WARROAD, MN	2030	1	86
WARROAD, MN	2030	3	86
BLUE HILL STATION, NE	2220	OP4	86
BLUE HILL STATION, NE	2220	4	86
BLUE HILL STATION, NE	2220	5	86
IMPERIAL, NE	2247	1	86
BARNESTON, NE	2288	1	86
BARNESTON, NE	2288	2	86
BRONXVILLE, NY	2510	IC4	86
ROBSTOWN, TX	3608	1	86
MATADOR, TX	8064	1	86
PRESIDIO, TX	3525	3	86
LA-VERKIN, UT	3637	1	86
BYRD PARK, VA	3829	1	86
BYRD PARK, VA	3829	2	86
HOLLYWOOD, VA	3830	1	86
HOLLYWOOD, VA	3830	2	86
HOLLYWOOD, VA	3830	3	86
HOLLYWOOD, VA	3830	4	86
HOLLYWOOD, VA	3830	5	86
HOLLYWOOD, VA	3830	6	86
ATHENS, WI	3981	1	86
ATHENS, WI	3981	2	86
LAWRENCE, WI	4022	1	86
WESTFIELD, WI	4033	1	86
WESTFIELD, WI	4033	2	86
WESTFIELD, WI	4033	3	86
WESTFIELD, WI	4033	4	86
WESTFIELD, WI	4033	5	86
BECKJORD, OH	2830	1	08
BECKJORD, OH	2830	2	08
BECKJORD, OH	2830	3	08
CELANESE, TX	6599	1	85
SMITH, FL	673	S2	87
BOUNTIFUL, UT	3665	1	87
BOUNTIFUL, UT	3665	2	87
BOUNTIFUL, UT	3665	3	87
GEORGE NEAL, IA	1091	IC1	87
GEORGE NEAL, IA	1091	IC2	87
RICHMOND, PA	3168	DSL	87
REDWOOD FALLS, MN	2009	1	87
HARVEY COUCH, AR	169	1	87
RIVERTON, KS	1239	3	88
RIVERTON, KS	1239	4	88
COMMERCE, WI	4036	15	89
TORRINGTON, CT	565	10	89
WOODLAND ROAD, MA	1643	10	89
DALLAS, TX	3451	3	90
DALLAS, TX	3451	9	90
EASTON, MD	1580	3	90
EASTON, MD	1580	4	90
EASTON, MD	1580	5	90
ROOSEVELT, AZ	149	ROOS	90
FRONT STREET, PA	3121	1	90
FRONT STREET, PA	3121	3	90
FRONT STREET, PA	3121	4	90
FRONT STREET, PA	3121	5	90
WILLIAMSBURG, PA	3135	5	90

Table F-5. (continued)

Plant Name, State	ORISPL	Unit	Proj Retire Year
HOLLIS, OK	2960	IC1	90
FORT ST VRAIN, CO	6112	1	91
FRANKLIN DRIVE, CT	561	19	91
DOREEN, MA	1631	10	91
CHICKSAW, AL	5	3	91
SWAN FALLS, ID	819	10	92
DEVON, CT	544	3	92
DEVON, CT	544	4	92
COLLINS, TX	3500	1	93
LAKE CREEK, TX	3502	ST1	93
PARKDALE, TX	3455	1	93
DEVON, CT	544	5	93
DEVON, CT	544	6	93
MIDDLETOWN, CT	562	1	93
HANFORD-N, WA	3928	1	93
MORGAN CREEK, TX	3492	4	94
MOUNTAIN CREEK, TX	3453	2	94
MOUNTAIN CREEK, TX	3453	3	94
PARKDALE, TX	3455	3	94
TRINIDAD, TX	3507	5	94
CHESTER, PA	3157	7	94
CHESTER, PA	3157	8	94
CHESTER, PA	3157	9	94
PUEBLO, CO	460	5	94
MCWILLIAMS, AL	533	1	94
MCWILLIAMS, AL	533	2	94
EAGLE MOUNTAIN, TX	3489	1	95
EAGLE MOUNTAIN, TX	3489	2	95
PERMAIN BASIN, TX	3494	5	95
PUEBLO, CO	460	6	95
WAUKEGAN, IL	883	6	95
MOUNTAIN CREEK, TX	3453	7	96
STRYKER CREEK, TX	3504	ST1	96
J R KELLY, FL	664	7	96
GASTON, AL	26	GT4	96
CRIST, FL	641	1	96
CRIST, FL	641	2	96
CRIST, FL	641	3	96
SCHOLZ, FL	642	1	96
SCHOLZ, FL	642	2	96
SMITH, FL	643	CT1	96
LOVETT, NY	2629	1	96
LOVETT, NY	2629	2	96
ARKWRIGHT, GA	699	ST1	96
STATE LINE, IN	981	3	96
ARBUCKLE, OK	2947	1	96
MUSTANG, OK	2953	1	96
MUSTANG, OK	2953	2	96
SEMINOLE, OK	2956	GT1	96

Table F-6

New Announced Units not in the 1985 IDBS Inventory

Utility Code	ORISPL	Unit	State	Name	County Code	Projected Unit Status	Projected Fuel Type	Projected Prime Mover	Projected Year on-Line	Projected Capacity (MW)
765	4100	6	WI	ARCADIA	121	CO	NG	IC	86	3.8
2777	6055	4	LA	BIG CAJUN 2	77	CO	FO2	GT	95	50
12825	2184	2	MT	FRANK BIRD	111	CO	FO4	ST	87	70
19659	299	2	UT	BLUNDELL	27	CO	GST	GE	92	15
19659	299	3	UT	BLUNDELL	27	CO	GST	GE	94	15
19659	299	4	UT	BLUNDELL	27	CO	GST	GE	96	15
19659	299	5	UT	BLUNDELL	27	CO	GST	GE	98	15
4384	3075	F3	OR	BONNEVILLE	59	CO	WAT	HC	90	2
4384	3075	F4	OR	BONNEVILLE	59	CO	WAT	HC	90	3
4384	3075	F6	OR	BONNEVILLE	59	CO	WAT	HC	90	3
4176	541	7	CT	BULLS BRIDGE	5	CO	WAT	HC	89	6.6
9432	1104	GT1	IA	BURLINGTON	57	CO	FO2	GT	92	50
20455	1629	7	MA	CADOT	11	CO	WAT	HC	91	24
13511	2522	3	NY	CADYVILLE	19	CO	WAT	HC	86	3
19876	3797	7	VA	CHESTERFIELD	41	PL	NG	CW	90	127
19876	3797	8	VA	CHESTERFIELD	41	PL	NG	ST	91	58
3923	3566	IC9	TX	COLEMAN	83	CO	NG	IC	86	3.6
4384	3076	3	OR	COUGAR	39	CO	WAT	HC	92	40
12397	483	2	CA	COYOTE CREEK	59	CO	WAT	HC	86	2
14328	230	2	CA	CRANE VALLEY	39	PL	WAT	HC	93	0
14328	231	3	CA	CRESTA	7	PL	WAT	HC	92	18
14328	231	4	CA	CRESTA	7	PL	WAT	HC	89	0
5625	1580	15	MD	EASTON	41	PL	FO2	IC	88	6.3
5625	1580	16	MD	EASTON	41	PL	FO2	IC	88	6.2
5625	1580	17	MD	EASTON	41	PL	FO2	IC	91	15
5625	1580	18	MD	EASTON	41	PL	.	CT	95	20
5860	6223	4	MO	EMPIRE ENERGY CENTER	97	PL	NG	CA	94	75
4176	560	4	CT	FALLS VILLAGE	5	PL	WAT	HC	89	6.3
1015	4237	GT2	TX	NA 4	0	CO	NG	GT	87	50
1015	4237	GT3	TX	NA 4	0	CO	NG	GT	87	50
1015	4237	GT4	TX	NA 4	0	CO	NG	GT	87	50
17539	3285	CT1	SC	HAGOOD STEAM	19	PL	NG	CT	90	74
17539	3285	CT2	SC	HAGOOD STEAM	19	PL	NG	CT	90	74
13781	1911	6	MN	HENNEPIN ISLAND	53	PL	WAT	HC	92	6
13781	1911	7	MN	HENNEPIN ISLAND	53	PL	WAT	HC	92	3
14610	683	PK1	FL	INDIAN RIVER	9	CO	FO6	GT	89	53
14610	683	PK2	FL	INDIAN RIVER	9	PL	NG	GT	94	53
14610	683	PK3	FL	INDIAN RIVER	9	PL	.	GT	96	53
8795	665	22	FL	G W IVEY	25	PL	NG	IC	91	20
6616	658	C5	FL	HENRY D KING	111	CO	WH	CW	87	8
6616	658	C9	FL	HENRY D KING	111	CO	NG	CT	88	30

Table F-6. (continued)

Utility Code	ORISPL	Unit	State	Name	County Code	Projected Unit Status	Projected Fuel Type	Projected Prime Mover	Projected Year on-Line	Projected Capacity (MW)
10525	4124	A1	WI	LA FARGE	123	CO	FO2	IC	86	0.5
19282	440	4	CA	LAGRANGE	99	PL	WAT	HC	90	0
10830	2921	9	OH	LEBANON	165	CO	FO2	GT	86	15
11571	4125	8	WI	MANITOWOC	71	PL	BIT	ST	94	60
4384	3084	15	OR	MCNARY	5	PL	WAT	HC	93	129
4384	3084	16	OR	MCNARY	5	PL	WAT	HC	93	129
4384	3084	17	OR	MCNARY	5	PL	WAT	HC	94	129
4384	3084	18	OR	MCNARY	5	PL	WAT	HC	94	129
4384	3084	19	OR	MCNARY	5	PL	WAT	HC	94	129
4384	3084	20	OR	MCNARY	5	PL	WAT	HC	94	129
1179	1475	7	ME	MILFORD	19	CO	WAT	HC	91	0.7
14328	4218	HY2	CA	MOKELUMNE RIVER PROJ	5	PL	WAT	HC	88	1
12698	2092	C1	MO	RALPH GREEN	37	PL	WH	CW	92	22
12698	2092	C2	MO	RALPH GREEN	37	PL	WH	CW	92	22
12698	2092	3	MO	RALPH GREEN	37	PL	BIT	ST	91	666
14711	6787	2	PA	RAYSTOWN	61	CO	WAT	HC	88	0.7
14711	6787	3	PA	RAYSTOWN	61	CO	WAT	HC	88	0.7
14328	275	H3	CA	ROCK CREEK	63	CO	WAT	HC	92	36
3292	3723	GT6	VT	RUTLAND	21	PL	NG	CA	90	210
3292	6453	1	VT	RUTLAND	21	PL	WAT	HC	90	0.3
2518	4183	H1	WY	SHOSHONE	29	CO	WAT	HC	89	3
2518	4183	H2	WY	SHOSHONE	29	CO	WAT	HC	89	6
2518	4183	H3	WY	SHOSHONE	29	CO	WAT	HC	89	6
2518	4183	4	WY	SHOSHONE	29	CO	WAT	HC	89	6
2518	4183	5	WY	SHOSHONE	29	CO	WAT	HC	90	4.9
14328	4253	96	CA	SMALL HYDRO	0	CO	WAT	HC	88	23
14328	4253	9	CA	SMALL HYDRO	0	PL	WAT	HC	88	2
14328	4253	2	CA	SMALL HYDRO	0	PL	WAT	HC	89	2
14328	4253	3	CA	SMALL HYDRO	0	CO	WAT	HC	90	2
14328	4253	4	CA	SMALL HYDRO	0	CO	WAT	HC	91	2
14328	4253	5	CA	SMALL HYDRO	0	CO	WAT	HC	92	2
14328	4253	6	CA	SMALL HYDRO	0	CO	WAT	HC	93	2
14328	4253	7	CA	SMALL HYDRO	0	CO	WAT	HC	94	2
14328	4253	8	CA	SMALL HYDRO	0	CO	WAT	HC	95	2
2518	450	3	CA	SPRING CREEK	89	CO	WAT	HR	93	115
18429	3920	C1	WA	STEAM PLANT NO 2	53	CO	BIT	CA	88	43
3255	438	5	CA	THERMALITO	7	CO	WAT	HC	87	3
17609	365	3	CA	TULE	107	CO	WAT	HC	93	0
1179	1479	18	ME	VEAZIE	19	CO	WAT	HC	92	4
12397	7066	1	CA	STAMPEDE	.	CO	WAT	HC	87	3
	7056	1	VT	BOLTON FALLS	.	CO	WAT	HC	86	0.6
	7056	2	VT	BOLTON FALLS	.	CO	WAT	HC	86	4
19659	7050	1	WY	VIVA NAUGHTON	.	CO	WAT	HC	86	0.2

Table F-6. (continued)

Utility Code	ORISPL	Unit	State	Name	County Code	Projected Unit Status	Fuel Type	Prime Mover	Year on-Line	Capacity (MW)
19659	7050	2	WY	VIVA NAUGHTON	.	CO	WAT	HC	86	0.5
9216	7077	1	CA	SAWTELLE	.	CO	WAT	HC	86	1
3255	7072	1	CA	MOJAVE SIPHON	.	PL	WAT	HC	94	7
3255	7072	2	CA	MOJAVE SIPHON	.	PL	WAT	HC	94	6
11208	7078	1	CA	COSO	.	PL	STM	GE	90	10
11208	7078	2	CA	COSO	.	PL	STM	GE	95	50
11208	7078	3	CA	COSO	.	PL	STM	GE	95	50
13781	4008	4	WI	JIM FALLS	17	CO	WAT	HC	87	0.6
2439	2903	4	OH	BRYAN	.	PL	NG	GT	87	15
18205	3692	IC1	UT	PAYSON	.	PL	NG	IC	87	2.5
18205	3692	IC2	UT	PAYSON	.	PL	NG	IC	87	2.5
3292	3712	3	VT	FAIRFAX FALLS	.	PL	WAT	HC	90	28
195	6	3	AL	DEMOPOLIS	.	PL	WAT	HC	90	50
3255	436	3	CA	DEVIL CANYON	.	PL	WAT	HC	92	80
15472	1518	4	ME	SWAN FALLS	.	PL	WAT	HC	92	19
16572	149	1	AZ	ROOSEVELT	.	PL	WAT	HC	93	50
16572	149	2	AZ	ROOSEVELT	.	PL	WAT	HC	94	50
10000	2079	ST1	MO	HAWTHORN	.	PL	BIT	ST	94	55
10000	2079	ST2	MO	HAWTHORN	.	PL	BIT	ST	94	55
10000	2079	ST3	MO	HAWTHORN	.	PL	BIT	ST	96	70
10000	2079	ST4	MO	HAWTHORN	.	PL	BIT	ST	96	70
9191	821	2	ID	TWIN FALLS	.	PL	WAT	HC	95	6
14154	2629	CC1	NY	LOVETT	87	PL	NG	CT	96	17
1179	783	2	ME	BASIN MILLS	.	PL	WAT	HC	96	15.5

CO -- Under construction
PL -- Planned

Table F-7

New Announced Units in Plants that are not in the 1985 IDBS Inventory

Code	Unit	State	Plant Name	Unit Status	Fuel Type	Prime Mover	Year on-Line	Capacity (MW)
				Projected				
2837	1	CA	NONUTILITY UNITS CA	CO	.	.	86	227
2837	1	CA	NONUTILITY-COGEN	PL	NG	CA	86	109
2837	1	CA	NONUTILITY-GEO	PL	GST	GE	86	116
20169	1	WA	NONUTILITY UNITS WA	CO	.	.	86	22
15787	1	CO	NONUTILITY UNITS CO	CO	.	.	86	2
13511	1	NY	NONUTILITY UNITS NY	CO	.	.	86	135
20169	1	OR	NONUTILITY UNITS OR	CO	.	.	86	15
40613	5	CA	GT PROJECT 5	CO	NG	GT	86	25
.	1	UT	LEVAN	CO	WAT	HC	86	0.5
.	2	UT	LEVAN	CO	WAT	HC	86	0.5
15466	1	CO	CORRIDOR WIND	CO	WND	WT	86	37
16655	1	CA	COMBUSTION TURBINE	CO	NG	GT	86	25
19282	1	CA	GT PROJECT	CO	NG	GT	86	25
19282	2	CA	GT PROJECT	CO	NG	GT	86	25
17609	1	CA	GEOTHERMAL CA	CO	GST	GE	86	5
15143	1	CO	BUTTONROCK	CO	WAT	HC	86	3
.	1	MI	NONUTILITY UNITS MI	CO	.	.	87	2
.	1	PA	NONUTILITY UNITS PA	CO	.	.	87	35
.	1	PA	AES PURPA	PL	COL	ST	87	121
2837	2	CA	NONUTILITY UNITS CA	CO	.	.	87	361
2837	1	CA	QF COGEN GAS	PL	NG	CA	87	207
2837	1	CA	QF COGEN NON-GAS	PL	.	CA	87	242
15787	2	CO	NONUTILITY UNITS CO	CO	.	.	87	84
13511	2	NY	NONUTILITY UNITS NY	CO	.	.	87	24
13511	1	NY	INDEPENDENT POWER	CO	.	.	87	250
20213	1	WI	NONUTILITY UNITS WI	CO	.	.	87	20
20169	1	ID	NONUTILITY UNITS ID	CO	.	.	87	1
20169	2	OR	NONUTILITY UNITS OR	CO	.	.	87	9
20169	2	WA	NONUTILITY UNITS WA	CO	.	.	87	30
	1	NJ	NONUTILITY UNITS NJ	CO	.	.	87	24
11204	1	NM	EL VADO DAM	CO	WAT	HC	87	8
11204	1	NM	ABIQUIU	CO	WAT	HC	89	7
11204	2	NM	ABIQUIU	CO	WAT	HC	89	7
14328	1	CA	DOAKS RIDGE	CO	WAT	HC	90	1
13573	1	NY	H.E.A.R.	CO	WAT	HC	87	3
14328	1	CA	STATION T	CO	NG	CA	87	50
16655	1	CA	BLACK BUTTE DAM	CO	WAT	HC	89	6
16655	1	CA	HIGH LINE CANAL	CO	WAT	HC	89	0
	2	MI	NONUTILITY UNITS MI	PL	.	.	88	52
	2	PA	NONUTILITY UNITS PA	PL	.	.	88	16

Table F-7. (continued)

Code	Unit	State	Plant Name	Projected Unit Status	Projected Fuel Type	Projected Prime Mover	Projected Year on-Line	Projected Capacity (MW)
2837	3	CA	NONUTILITY UNITS CA	PL	.	.	88	312
2837	1	CA	NONUTILITY -BIOMASS	PL	.	CA	88	106
2837	2	CA	NONUTILITY-GEO	PL	GST	GE	88	127
2837	2	CA	QF COGEN NON-GAS	PL	.	CA	88	558
2837	2	CA	NONUTILITY-COGEN	PL	NG	CA	88	345
2837	2	CA	NONUTILITY-COGEN	PL	NG	CA	88	490
20169	2	ID	NONUTILITY UNITS ID	PL	.	.	88	21
20169	1	ID	LUCKY PEAK	PL	WAT	HC	88	100
13511	3	NY	NONUTILITY UNITS NY	PL	.	.	88	29
13511	2	NY	INDEPENDENT POWER	PL	.	.	88	119
20213	2	WI	NONUTILITY UNITS WI	PL	.	.	88	10
.	1	WV	NONUTILITY UNITS WV	PL	.	.	88	26
20169	3	OR	NONUTILITY UNITS OR	PL	.	.	88	18
20169	3	WA	NONUTILITY UNITS WA	PL	.	.	88	2
.	2	NJ	NONUTILITY UNITS NJ	PL	.	.	88	183
.	2	NJ	QF NJ	PL	NG	CA	88	120
.	2	NJ	QF NJ	PL	NG	CA	88	125
15787	3	CO	NONUTILITY UNITS CO	PL	.	.	88	66
15783	1	CA	REDDING MSW	PL	REF	.	88	20
17609	1	CA	SMALL HYDRO	PL	WAT	HC	88	6
16534	1	CA	UNID PEAKING	PL	.	.	88	50
16534	2	CA	UNID PEAKING	PL	.	.	88	50
13573	2	NY	H.E.A.R.	PL	WAT	HC	88	4
4003	1	CA	CPA NO 1	PL	GST	GE	88	61
4003	2	CA	CPA NO 1	PL	GST	GE	88	61
14328	1	CA	CHAMBERS JACKASS	PL	WAT	HC	89	0
.	1	CO	McPHEE POWER PLANT	PL	WAT	HC	88	1
15472	1	NH	MURPHY DAM	PL	WAT	HC	88	2.25
15783	1	CA	NORTH FORK	PL	WAT	HC	87	6
14328	1	CA	YELLOW CREEK PROJ	PL	WAT	HC	88	0
.	3	MI	NONUTILITY UNITS MI	PL	.	.	89	56
2837	4	CA	NONUTILITY UNITS CA	PL	.	.	89	300
2837	3	CA	QF COGEN NON-GAS	PL	.	CA	89	148
2837	4	CA	NONUTILITY-COGEN	PL	NG	CA	89	291
2837	3	CA	NONUTILITY-GEO	PL	GST	GE	89	100
20169	3	ID	NONUTILITY UNITS ID	PL	.	.	89	11
13511	4	NY	NONUTILITY UNITS NY	PL	.	.	89	74
20213	3	WI	NONUTILITY UNITS WI	PL	.	.	89	10
20169	4	OR	NONUTILITY UNITS OR	PL	.	.	89	6
15787	4	CO	NONUTILITY UNITS CO	PL	.	.	89	80
.	3	NJ	NONUTILITY UNITS NJ	PL	.	.	89	71
.	1	NJ	NONUTILITY GEN	PL	.	.	89	200
.	3	NJ	QF NJ	PL	NG	CA	89	118

Table F-7. (continued)

Code	Unit	State	Plant Name	Projected Unit Status	Fuel Type	Prime Mover	Year on-Line	Capacity (MW)
.	4	NJ	QF NJ	PL	NG	CA	89	265
20169	4	WA	NONUTILITY UNITS WA	PL	.	.	89	7
.	2	WV	NONUTILITY UNITS WV	PL	.	.	89	3
13573	3	NY	H.E.A.R.	PL	WAT	HC	89	2
16534	1	CA	UNID BASE	PL	.	.	89	60
15296	1	NY	PASNY NEW HYDRO	PL	WAT	HC	89	3.4
13573	4	NY	H.E.A.R.	PL	WAT	HC	89	10
15296	2	NY	PASNY NEW HYDRO	PL	WAT	HC	89	3
.	1	CO	RIDGEWAY POWER	PL	WAT	HC	89	4
14063	1	OK	COGENERATION	PL	NG	CT	89	160
4254	1	MI	VIKING ENERGY	PL	WD	ST	89	16
.	1	MI	NONUTILITY-GEN	PL	NG	.	90	800
.	2	MI	NONUTILITY-GEN	PL	NG	.	90	425
.	1	ME	OCEAN ST PWR	PL	NG	CA	90	210
2837	5	CA	NONUTILITY UNITS CA	PL	.	.	90	194
13511	5	NY	NONUTILITY UNITS NY	PL	.	.	90	35
13511	3	NY	INDEPENDENT POWER	PL	.	.	90	191
.	3	PA	NONUTILITY UNITS PA	PL	.	.	90	137
.	4	NJ	NONUTILITY UNITS NJ	PL	.	.	90	54
.	2	NJ	NONUTILITY GEN	PL	.	.	90	270
.	5	NJ	QF NJ	PL	NG	CA	90	140
.	6	NJ	QF NJ	PL	NG	CA	90	260
20169	4	ID	NONUTILITY UNITS ID	PL	.	.	90	7
15787	5	CO	NONUTILITY UNITS CO	PL	.	.	90	135
.	3	WV	NONUTILITY UNITS WV	PL	.	.	90	50
40613	1	CA	HYDROELEC PROJ	PL	WAT	HC	90	200
15296	3	NY	PASNY NEW HYDRO	PL	WAT	HC	90	12
.	1	TX	MSW LCP	PL	REF	ST	91	36
14063	1	OK	UNKNOWN OK	PL	FO2	GT	90	170
13573	5	NY	H.E.A.R.	PL	WAT	HC	90	12
11208	1	CA	SMALL HYDRO DEV	PL	WAT	HC	90	6
15783	1	CA	LAKE REDDING	PL	WAT	HC	90	8
27703	1	OR	STRUBE	PL	WAT	HC	92	5
27703	1	CO	TOWAOC	PL	WAT	HC	90	11
3266	1	ME	RUMFORD COGEN	PL	COL	CA	90	75
.	5	MI	NONUTILITY UNITS MI	PL	.	.	91	78
2837	6	CA	NONUTILITY UNITS CA	PL	.	.	91	81
2837	1	CA	SOFAR	PL	WAT	HC	91	118
13511	6	NY	NONUTILITY UNITS NY	PL	.	.	91	30
20213	4	WI	NONUTILITY UNITS WI	PL	.	.	91	22
.	4	PA	NONUTILITY UNITS PA	PL	.	.	91	80
20169	5	ID	NONUTILITY UNITS ID	PL	.	.	91	6
15787	6	CO	NONUTILITY UNITS CO	PL	.	.	91	10

Table F-7. (continued)

Code	Unit	State	Plant Name	Projected				
				Unit Status	Fuel Type	Prime Mover	Year on-Line	Capacity (MW)
.	5	NJ	NONUTILITY UNITS NJ	PL	.	.	91	35
.	7	NJ	QF NJ	PL	NG	CA	91	125
17166	1	NV	GEOTHERMAL	PL	GST	GE	91	50
14063	2	OK	UNKNOWN OK	PL	FO2	GT	91	240
13573	6	NY	H.E.A.R.	PL	WAT	HC	91	1
11208	1	CA	GENERIC	PL	.	.	91	100
13573	7	NY	H.E.A.R.	PL	WAT	HC	91	49
17609	1	CA	EDISON GENERIC HYDRO	PL	WAT	HC	91	2
5416	1	SC	BAD CREEK	PL	WAT	HR	91	250
5416	2	SC	BAD CREEK	PL	WAT	HR	91	250
27703	1	WA	WYNOOCHEE	PL	WAT	HC	93	2
27703	2	WA	WYNOOCHEE	PL	WAT	HC	93	4
27703	3	WA	WYNOOCHEE	PL	WAT	HC	93	4
.	6	MI	NONUTILITY UNITS MI	PL	.	.	92	2
2837	7	CA	NONUTILITY UNITS CA	PL	.	.	92	78
13511	7	NY	NONUTILITY UNITS NY	PL	.	.	92	95
20213	5	WI	NONUTILITY UNITS WI	PL	.	.	92	20
.	8	NJ	QF NJ	PL	NG	CA	92	450
20169	6	ID	NONUTILITY UNITS ID	PL	.	.	92	6
.	6	NJ	NONUTILITY UNITS NJ	PL	.	.	92	20
.	4	PA	NONUTILITY UNITS PA	PL	.	.	92	80
4089	1	MA	GAS TURBINE	PL	FO2	GT	92	75
13573	8	NY	H.E.A.R.	PL	WAT	HC	92	2
17609	1	CA	BEAR BUTTE	PL	WAT	HC	92	22
16534	3	CA	UNID PEAKING	PL	.	.	91	50
16534	4	CA	UNID PEAKING	PL	.	.	92	50
16534	5	CA	UNID PEAKING	PL	.	.	92	50
13407	1	UT	GEOTHERMAL UT	PL	GST	GE	92	10
17166	2	NV	GEOTHERMAL	PL	GST	GE	92	50
9273	1	IN	UNDESIGNATED A	PL	FO2	GT	92	80
.	1	TX	UNDESIGNATED B	PL	NG	GT	92	180
.	1	NJ	COMBINED CYCLE UNK	PL	NG	CA	92	300
14063	3	OK	UNKNOWN OK	PL	FO2	GT	92	280
13573	9	NY	H.E.A.R.	PL	WAT	HC	92	1
5860	1	MO	UNKNOWN	PL	COL	ST	92	75
11208	2	CA	GENERIC	PL	.	.	92	200
17609	2	CA	EDISON GENERIC HYDRO	PL	WAT	HC	92	2
3278	1	TX	CT	PL	NG	GT	92	75
5416	3	SC	BAD CREEK	PL	WAT	HR	92	250
5416	4	SC	BAD CREEK	PL	WAT	HR	92	250
27703	1	OR	BLUE R LAKE PH	PL	WAT	HC	93	10
27703	2	OR	BLUE R LAKE PH	PL	WAT	HC	93	10
.	7	MI	NONUTILITY UNITS MI	PL	.	.	93	2

Table F-7. (continued)

Code	Unit	State	Plant Name	Projected Unit Status	Fuel Type	Prime Mover	Year on-Line	Capacity (MW)
2837	8	CA	NONUTILITY UNITS CA	PL	.	.	93	79
2837	1	CA	GENERIC COGEN	PL	.	CA	93	110
13511	8	NY	NONUTILITY UNITS NY	PL	.	.	93	30
20213	6	WI	NONUTILITY UNITS WI	PL	.	.	93	1
.	1	OK	AES-COGENERATION	PL	BIT	ST	93	300
.	7	NJ	NONUTILITY UNITS NJ	PL	.	.	93	94
20169	5	OR	NONUTILITY UNITS OR	PL	.	.	93	6
44372	1	TX	COMBUST TURBINE	PL	NG	GT	93	130
15470	1	IN	UNDESIGNATED IN	PL	FO2	CT	93	108
15470	2	IN	UNDESIGNATED IN	PL	FO2	CT	93	108
15470	3	IN	UNDESIGNATED IN	PL	FO2	CA	95	90
3542	1	OH	NEW GT	PL	FO2	GT	93	60
.	2	TX	UNDESIGNATED B	PL	LIG	ST	93	498
13573	10	NY	H.E.A.R.	PL	WAT	HC	93	2
.	1	AR	UNDETERMINED	PL	NG	GT	93	60
11208	3	CA	GENERIC	PL	.	.	93	100
17609	3	CA	EDISON GENERIC HYDRO	PL	WAT	HC	93	2
3278	2	TX	CT	PL	NG	GT	93	75
3278	3	TX	CT	PL	NG	GT	93	75
3278	4	TX	CT	PL	NG	GT	93	75
20404	1	TX	CT TEXAS	PL	NG	GT	93	75
17699	1	TX	COMBUST TURBINE TX	PL	NG	GT	93	225
15783	1	CA	LAKE RED BLUFF	PL	WAT	HC	93	4
.	8	MI	NONUTILITY UNITS MI	PL	.	.	94	2
2837	9	CA	NONUTILITY UNITS CA	PL	.	.	94	81
13511	9	NY	NONUTILITY UNITS NY	PL	.	.	94	65
20213	7	WI	NONUTILITY UNITS WI	PL	.	.	94	22
.	2	ME	OCEAN ST PWR	PL	.	.	94	210
.	8	NJ	NONUTILITY UNITS NJ	PL	.	.	94	20
.	1	AZ	NONUTILITY UNITS AZ	PL	.	.	94	5
16609	1	CA	UNDETERMINED CA	PL	.	.	94	100
16534	6	CA	UNID PEAKING	PL	.	.	94	50
16534	7	CA	UNID PEAKING	PL	.	.	95	50
9273	2	IN	UNDESIGNATED A	PL	FO2	GT	94	80
3542	2	OH	NEW GT	PL	FO2	GT	94	60
3542	3	OH	NEW GT	PL	FO2	GT	94	60
15270	1	MD	UNDETERMINED MD	PL	.	.	94	125
14063	4	OK	UNKNOWN OK	PL	FO2	GT	94	280
20847	1	WI	SMALL UNITS	PL	.	.	94	10
11208	4	CA	GENERIC	PL	.	.	94	400
11269	1	TX	UNDESIGNATED TX	PL	SUB	ST	94	400
17609	4	CA	EDISON GENERIC HYDRO	PL	WAT	HC	94	2
11479	1	WI	SOLID WASTE	PL	REF	ST	94	2

Table F-7. (continued)

Code	Unit	State	Plant Name	Projected Unit Status	Projected Fuel Type	Projected Prime Mover	Projected Year on-Line	Projected Capacity (MW)
.	9	MI	NONUTILITY UNITS MI	PL	.	.	95	2
2837	10	CA	NONUTILITY UNITS CA	PL	.	.	95	80
13511	10	NY	NONUTILITY UNITS NY	PL	.	.	95	95
20213	8	WI	NONUTILITY UNITS WI	PL	.	.	95	17
.	9	NJ	NONUTILITY UNITS NJ	PL	.	.	95	35
.	2	AZ	NONUTILITY UNITS AZ	PL	.	.	95	10
.	1	MD	NONUTILITY UNITS MD	PL	.	.	95	50
.	16	PA	PURPA	PL	COL	ST	95	180
.	17	PA	PURPA	PL	COL	ST	95	130
44372	1	TX	UNDESIGNATED TEX	PL	.	.	95	1300
6455	1	FL	COMBINED CYCLE A	PL	NG	CT	95	426
6452	1	FL	COMBINED CYCLE FL	PL	NG	CT	94	75
6452	2	FL	COMBINED CYCLE FL	PL	NG	CT	94	75
6452	3	FL	COMBINED CYCLE FL	PL	NG	CT	94	75
6452	4	FL	COMBINED CYCLE FL	PL	NG	CT	94	75
6452	5	FL	COMBINED CYCLE FL	PL	FO6	CT	95	21
6452	6	FL	COMBINED CYCLE FL	PL	NG	CT	95	346
6452	7	FL	COMBINED CYCLE FL	PL	NG	CT	95	346
6452	8	FL	COMBINED CYCLE FL	PL	NG	CT	95	346
10620	1	FL	UNKNOWN FL	PL	BIT	ST	95	50
.	1	MO	FUTURE UNK	PL	COL	ST	95	800
16609	2	CA	UNDETERMINED CA	PL	.	.	95	50
17166	3	NV	GEOTHERMAL	PL	GST	GE	95	50
15470	4	IN	UNDESIGNATED IN	PL	FO2	CT	95	108
15470	5	IN	UNDESIGNATED IN	PL	FO2	CT	95	108
15470	6	IN	UNDESIGNATED IN	PL	FO2	CA	[illegible]	90
3542	4	OH	NEW GT	PL	FO2	GT	[illegible]	60
3542	5	OH	NEW GT	PL	FO2	GT	95	60
.	3	TX	UNDESIGNATED B	PL	LIG	ST	95	498
18454	1	FL	UNKNOWN FLA	PL	FO2	GT	95	75
15270	2	MD	UNDETERMINED MD	PL	.	.	95	125
963	1	NJ	UNASSIGNED CT	PL	KER	GT	95	60
.	1	NJ	COAL UNK	PL	BIT	ST	95	300
13781	1	ND	NORTH DAKOTA LIGNITE	PL	LIG	ST	96	400
15296	5	NY	PASNY NEW HYDRO	PL	WAT	HC	95	40
17881	1	MO	BASE CAPACITY	PL	SUB	ST	95	40
14063	5	OK	UNKNOWN OK	PL	SUB	ST	95	500
17609	5	CA	EDISON GENERIC HYDRO	PL	WAT	HC	95	400
332	1	PA	COAL PA	PL	COL	ST	95	300
16687	1	GA	NOT AVAILABLE	PL	BIT	ST	95	37.5
.	CT2	CA	SANTA CLARA	PL	NG	GT	87	25
7294	2	CA	SCHOLL CANYON	PL	REF	IC	87	12
.	1	AR	HS 13	PL	WAT	HC	88	6

Table F-7. (continued)

				Projected				
Code	Unit	State	Plant Name	Unit Status	Fuel Type	Prime Mover	Year on-Line	Capacity (MW)
.	2	AR	HS 13	PL	WAT	HC	88	6
.	3	AR	HS 13	PL	WAT	HC	88	5
11269	3	TX	F.P.P.	PL	SUB	ST	88	344
14063	1	OK	COGEN-SMITH	PL	NG	CT	88	100
803	1	AZ	SOLAR-AZ	PL	SUN	SS	89	2
803	2	AZ	SOLAR-AZ	PL	SUN	SS	94	8
13407	1	NV	COMB CYCLE 1	PL	RG	CW	90	210
13407	2	NV	COMB CYCLE 1	PL	RG	CW	91	210
17609	1	CA	BATTERY STORAGE	PL	.	.	90	10
15296	4	NY	PASNY NEW HYDRO	PL	WAT	HC	91	3
17539	1	SC	UNDETERMINED SC	PL	WH	CW	93	34
17539	2	SC	UNDETERMINED SC	PL	NG	CT	93	74
17539	3	SC	UNDETERMINED SC	PL	WH	CW	93	34
17539	4	SC	UNDETERMINED SC	PL	NG	CT	93	74
17568	1	MS	HATTIESBURG	PL	BIT	ST	95	250
15296	1	NY	NIAGRA FALLS	PL	WAT	HC	95	300
189	1	AL	LIGNITE	PL	LIG	ST	95	125
6452	9	FL	COMBINED CYCLE FL	PL	F06	CT	96	75
6452	10	FL	COMBINED CYCLE FL	PL	F06	CT	96	75
6452	11	FL	COMBINED CYCLE FL	PL	F06	CT	96	75
6452	12	FL	COMBINED CYCLE FL	PL	F06	CT	96	75
44372	1	TX	UNDESG TX	PL	.	.	96	650
18454	1	FL	UNKNOWN CT	PL	F02	ST	96	75
16609	1	CA	NON-DEFERRABLE	PL	NG	GT	96	50
16534	8	CA	UNID PEAKING	PL	.	.	96	100
44372	2	TX	COMBUST TURBINE	PL	NG	GT	96	130
3542	6	OH	NEW GT	PL	F02	GT	96	60
3542	7	OH	NEW GT	PL	F02	GT	96	60
3542	8	OH	NEW GT	PL	F02	GT	96	60
3542	9	OH	NEW GT	PL	F02	GT	96	60
1015	1	TX	WEST COAL FLUID BED	PL	COL	ST	96	200
.	1	MD	BC CT	PL	F02	GT	96	100
.	2	NJ	COMBINED CYCLE UNK	PL	NG	GT	96	200
.	2	PA	GCC COMPONENT	PL	.	CT	96	125
17881	1	MO	PEAK CAPACITY	PL	F02	GT	96	50
14063	6	OK	UNKNOWN OK	PL	F02	GT	96	170
.	1	MO	UNDETER MO	PL	NG	GT	96	60
803	1	AZ	REFUSE AZ	PL	REF	ST	96	10
17166	1	NV	COAL 2	PL	BIT	ST	96	50
17609	1	CA	OFF PEAK STORAGE	PL	.	.	96	50
2837	11	CA	NONUTILITY UNITS CA	CO	.	.	96	63
13511	11	NY	NONUTILITY UNITS NY	CO	.	.	96	60
20213	9	WI	NONUTILITY UNITS WI	CO	.	.	96	15

Table F-7. (continued)

Code	Unit	State	Plant Name	Projected Unit Status	Fuel Type	Prime Mover	Year on-Line	Capacity (MW)
.	10	NJ	NONUTILITY UNITS NJ	CO	.	.	96	10
.	3	AZ	NONUTILITY UNITS AZ	PL	.	.	96	15
.	1	VA	ENERGY FACTORS	PL	COL	CA	.	188
.	1	NJ	ULTRASYSTEMS DEV	PL	COL	CA	91	110
.	1	RI	NEWBAY CORP	PL	COL	CA	.	80
.	1	PA	SCRUBGRASS POWER	PL	BIT	CA	90	80
.	1	PA	EBENSBURG POWER	PL	BIT	CA	91	52
.	1	CA	SIERRA PAC INDUSTRY	PL	WD	CA	.	20
.	1	CA	LAIDLAW GAS RECOVERY	PL	GAS	CA	.	20
.	1	PA	COAL DYNAMICS CORP	PL	.	CA	90	15
.	1	CT	RILEY ENERGY SYSTEM	PL	REF	CA	.	15
.	1	NC	GASTON COUNTY	PL	REF	CA	.	10
.	1	NY	ST LAWRENCE SOLID	PL	REF	CA	.	7
.	1	MA	QUABOAG POWER CO	PL	WD	CA	.	5
.	1	NJ	INTERN POWER SYSTEM	PL	WD	CA	.	5
.	1	CT	STONE CONTAINER	PL	PET	CA	.	2.2
.	1	MO	LITTLE BLUE VALLEY	PL	COL	CA	88	0.8
.	1	ID	NNG ENERGY SYSTEM	PL	REF	CA	.	0.45
.	1	NJ	CNG ENERGY CO	PL	NG	CT	91	215
.	1	OH	CALDERON ENERGY CO	PL	COL	CT	.	79
.	1	MA	COGEN TECH INC	PL	NG	CT	90	54
.	1	NY	NASSAU DISTRICT	PL	NG	CT	89	50
.	1	NY	KAMINE SOUTH COGEN	PL	NG	CT	.	50
.	1	CA	E F CHOOLAS INC	PL	NG	CT	91	48
.	1	NY	L&J ENERGY SYSTEM	PL	NG	CT	89	40.5
.	1	CA	WATSONVILLE COGEN	PL	NG	CT	90	30.6
.	1	NY	LEDERLE LABS	PL	NG	CT	89	17.1
.	1	CA	LOMA LINDA UNIV	PL	NG	CT	89	10.7
.	1	CA	BONNEVILLE PACIFIC	PL	NG	CT	.	8.5
.	1	AZ	ABBOTT LABS	PL	NG	CT	.	2.5
.	1	NY	REGENT HUDSON	PL	GAS	CS	.	6.6
.	1	NH	ENERGY TACTICS INC	PL	GAS	CS	.	0.95
.	1	IL	J&M ENERGY INC	PL	NG	CS	.	0.9
.	1	NH	CHESIRE MED CENTER	PL	PET	CS	88	0.845
.	1	MA	BIO-ENERGY PARTNERS	PL	GAS	CS	.	0.8
.	1	OH	COGEN PARTNERS	PL	NG	CS	.	0.775
.	1	CA	J W OPERATING CO	PL	GAS	CS	.	0.7
.	1	NY	YONKERS GEN HOSPITAL	PL	PET	CS	89	0.45
.	1	NY	ZEIRICK MFG CORP	PL	NG	CS	.	0.2
.	1	NY	RESORT HEALTH FAC	PL	NG	CS	88	0.12
.	1	CA	BELMONT PLAZA POOL	PL	NG	CS	88	0.12
.	1	CA	RIMROCK VILLAGE APT	PL	NG	CS	.	0.12
.	1	NY	NATHAN HALE HOUSING	PL	NG	CS	88	0.12

Table F-7. (continued)

Code	Unit	State	Plant Name	Projected Unit Status	Fuel Type	Prime Mover	Year on-Line	Capacity (MW)
.	1	CA	TOTAL ENERGY	PL	NG	CS	.	0.1
.	1	CA	OCCIDENTAL COLLEGE	PL	NG	CS	88	0.06
.	1	CA	EARLIMART SCHOOL	PL	NG	CS	88	0.059
.	1	NJ	ASK CORP	PL	NG	CS	88	0.035
.	1	CA	ALLAN HANCOCK COMM	PL	NG	CS	88	0.029
.	1	NY	BROOKLYN UNION GAS	PL	NG	CS	88	0.022
.	1	CA	LUZ ENGINEER CORP	PL	SUN	SS	91	80
.	1	CA	DEL RANCH,LP	PL	GST	GE	.	38
.	4	NV	STILLWATER GEOTHERM	PL	GST	GE	.	30
.	1	CA	GEO EAST MESA	PL	GST	GE	.	18.5
.	2	NV	STILLWATER GEOTHERM	PL	GST	GE	.	12
.	1	CA	OMESA IE	PL	GST	GE	.	12
.	1	NY	ENERCO CORP	PL	WAT	HC	89	8.5
.	1	ID	BONNVILLE PACIFIC	PL	WAT	HC	.	4.8
.	1	NV	1-A ENTERPRISE	PL	GST	GE	.	2
.	1	NY	ELECTRO ECOLOGY	PL	WAT	HC	.	2
.	1	MI	TOWNSHIP-VAN BUREN	PL	WAT	HC	.	1.8
.	1	CA	STS HYDROPOWER	PL	WAT	HC	.	1.12
.	1	NY	TRAFALGAR POWER	PL	WAT	HC	.	0.6

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THE 1985 NAPAP EMISSIONS INVENTORY (VERSION 2): DEVELOPMENT OF THE NATIONAL UTILITY REFERENCE FILE

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